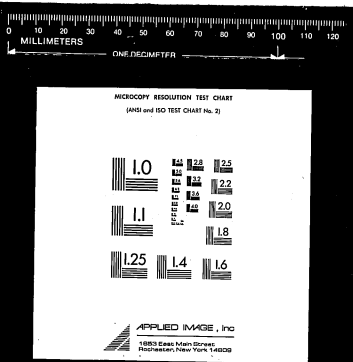

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Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART III
(1887–1898)

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Edison signature used with permission of McGraw-Edison Company.

Thomas A. Edison Papers

at

Rutgers, The State University

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Letterbook, LB-029

This letterbook covers the period April-May 1889. There is also one letter from June 1888. Most of the correspondence is by Edison and Alfred O. Tate. Many of the letters pertain to the manufacture and marketing of the phonograph and talking doll, Edison's relations with the Edison Phonograph Toy Manufacturing Co., and his suit against Ezra T. Gilliland and John Tomlinson. Other correspondence relates to mining and ore milling, the phonoplex system, and the Edison exhibit at the Paris Exposition. There are also letters concerning the purchase of equipment and supplies for the West Orange laboratory and the exchange of financial notes between Edison and his various companies. The spine is labeled "From April 8, 1889 to May 21, 1889 No II" and "LETTER BOOK H April 8 to May 21, 89." The book contains 499 numbered pages and an index. Pages 491-498 have been torn out of the book. Approximately 40 percent of the book has been filmed.

June 7th 8.

Reginald Gray Esq
Dear Sir

I enclose herewith Certificate Number Twenty eight (28) of the Edison Phonograph Company in the name of Mary H. Conway for One hundred & fifty (150) Shares which has been duly transferred as per your request of the 31st ulto.

Yours truly
A. G. Hale Treas

60 Devonshire St
Boston
Mass

Copy.

London, 20th March, 1889.

T. A. Edison, Esq.,

Orange, N. J.

My Dear Sir:— WORKING POTASSIUM CYANIDE PATENTS.

In reply to your letter of March 7th, you must have misunderstood my letter of 16th February, in supposing that I expected you to give me information as to what was necessary to be done for the working of the patents. On this point, of course, I am fully informed, having, to make assurance doubly sure, rec'd. a separate letter from each of the local Patent Agents, giving information as to their requirements up to the latest dates.

Yours sincerely,

G. F. Scott.

April 8, 1889.

Mr. W. E. Hidden,

Morganton, N. C.

My Dear Sir:-

I have your letter of 3rd instant. I can only interest myself in matters such as you have been investigating when I have use for the products. I have no use now for chrome ores, and, therefore, do not wish to continue the investigation of them through yourself.

I am not prepared at present to take up the other subjects which you suggest, but when a time comes that I desire to continue work of this character, I will be very glad to avail myself of your services.

Yours very truly,

Thos. A. Edison

April 8, 1889.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

"Phonographs can be exhibited to full advantage in space allotted for all my inventions. Ear tubes exclude all outside noise. Refuse absolutely to permit charging entrance fees or the introduction of any side show or Barnum methods at Paris. E d i s o n."

Yours truly,

T. A. Edison

April 8, 1889.

Samuel Insull, Esq.,

19 Dey Street,

New York City.

Dear Sir:-

I beg to acknowledge receipt of your letter of 6th instant, enclosing check of Mr. J. W. Chapman for $4,915.00, and your own check for $9,306.34, for which please accept thanks.

Yours very truly,

Private Secretary.

April 9, 1889.

Mr. John W. Powell,

620 North 8th Street,

Philadelphia, Pa.

Dear Sir:-

Mr. Edison has received your letter of 5th instant and asks me to say in reply that he would like to try one of your [illegible] motors. You can forward it to the above address.

Yours very truly,

Private Secretary.

April 9, 1889.

Mr. F[illegible] C. Smith,

32 North Ingalls Street,

Ann Arbor, Mich.

Dear Sir:-

Mr. Edison has received your letter of 3d instant, and says that if Tellurium could be obtained cheaply, he could use it in large quantities. He has worked it to a very conside- [illegible] extent, and pronounces it to be a marvelous substance.

Yours very truly,

Private Secretary.

April 9, 1889.

Mr. James A. Clancy,

509 Third Avenue,

Detroit, Mich.

D e a r S i r :-

Mr. Edison has been so busy that not until to-day have I been able to hand him your recent correspondence. He was very much surprised at the statements made in your letter of 30th ultimo, and it is needless to say that he was unaware of owing you any money. The Ten Dollars, with compound interest to date, amounts to $37.85, and I enclose herewith Mr. Edison's check to cover same.

Yours very truly,

Private Secretary.

April 9, 1889.

Charles Batchelor, Esq.,

Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

I spoke to you on saturday about a system of sprinklers for the Laboratory. We had a fire in the Galvanometer Room yesterday, which is the third that has occurred within the last five days, each one of which was discovered and suppressed by pure luck.

Yours very truly,

Private Secretary.

April 9, 188[illegible]

Mr. J. Frank,

30 South Fifth Avenue,

New York City.

Dear Sir:-

With reference to the two cabinets which you made for us -one of cherry and one of mahogany- with glass tops, the top Board of each of these has cracked from one end to the other, because of your having used green wood instead of seasoned wood in their construction. Shall we return these for you to fix them up, or shall we do the work ourselves, charging you for same? Kindly let us hear from you at once in regard to this matter.

Yours very truly,

[illegible]

April 9, 1889.

Mary Hayes Dodge, Editor,

"St. Nicholas,"

New York City,

Dear Madam,-

Mr. Edison has received your letter of 29th ultimo, asking him to contribute to "St. Nicholas" an article on the toy phonograph, and desires me to thank you for same.

Mr. Edison regrets very much that it is impracticable for him to comply with your request and is sorry that he cannot avail himself of the opportunity thus offered to explain the baby phonograph to the readers of your magazine. His experiments, however, demand so much of his personal attention, he never has any time at his disposal which he could devote to literary work.

Again thanking you for your letter

I am, yours very truly,

Private Secretary.

April 10, 1849.

Mr. N. H. Dodd,

Bloomfield, N. J.

Dear Sir:-

I have disposed of the lease of my factory at Bloomfield, and the bearer of this note will take charge of same.

Yours truly,

M. B. Quinn

Sydney Pesell: When can you give me Machine Works notes on Mr. Edison's a/c. I can discount £10.000 in my Newark Bank at the present time – if the a/c shows that amt. due – and would like to get them in while there is a fair balance in Mr Edison's a/c. I am obliged to deplete Mr E's bank a/c pretty rapidly now to keep pace with the requirements of the Phenoquoch Works. Have

you seen or heard anything of Lippincott lately. We should be able to get him to help us out very soon in reciprocation of the many favors he has received. The North American people have been getting a few machines lately and are in very much better humor.

Yours truly
W. Hoe

David Smith Esq
19 Dey St
New York

April 11, 1889.

Mr. K i s s e n g e r,

Div. O'p'r., P. & E. Railroad,

Williamsport, Pa.

Dear Sir:-

A few days since we mailed you a pamphlet, descriptive of the Edison Phonoplex System of Telegraphy, the first sentence of which, under "Length and Arrangement of Circuits" reads as follows:-

> "This system of telegraphy can be operated upon circuits not exceeding 100 miles or thereabouts."

The above applies more particularly to local wires, and not to through wires with but few offices. We have successfully worked a circuit between Pittsburgh and Altoona for more than a year, and one between Philadelphia and Harrisburgh for about six or seven months. We also have a circuit that is working nicely on the National Transit Co. line from Lima, Ohio, to Oil City, Pa., a distance of 300 miles. This latter circuit is worked on a copper wire.

Mr. K. -2-

If you contemplate using the Phonoplex System, we shall be pleased to furnish you with an estimate of the cost of equipment, if you will kindly send us a diagram.

Mr. Edison has a contract with the Pennsylvania Rail Road Company which gives the latter the right to use the Phonoplex System on any of their lines.

Yours very truly,

Edison

April 11, 1889.

Louis Glass, Esq., Gen'l. Manager,

Pacific Phonograph Company,

323 Pine St., San Francisco, Cal.

Dear Sir:-

Did you receive my letter of February 21st, enclosing copy of a communication from Col. Gouraud, in which he indicated his willingness to make an arrangement with Mr. Sabin for the Sandwich Islands? I have received your letter of 2d instant, in which you state that Col. Gouraud has not communicated with you, and I am writing him to-day upon the subject. I do not think you need have any fear of losing the Sandwich Islands. I cannot speak intelligently regarding Central America, as I am not familiar with Col. Gouraud's operations. I do not believe, however, that he has disposed of this territory, for the reason that he has, as yet, done no real business, having devoted all his time to lectures and the general introduction of the phonograph to the peoples of England and France. I will be very glad to assist you as far as I possibly can, and I believe that after Col. Gouraud receives my communication of to-day, he will give the matter attention.

Yours very truly Private Sec'y.

April 11, 88

The Edison Machine Works,

10 Day St., New York.

Dear Sirs:-

I beg to confirm the following message which we asked you by telephone to-day to transmit to Mr. Krausis

"New machine gives fourteen four-tenths Watts per pound. It is good for twenty-two. E d i s o n."

Yours truly,

Private Secretary.

April 11, 1889.

S. S. Eaton, Esq.,

130 Broadway, New York City.

Dear Sir:-

I enclose herewith: (1) letter from Samuel Insull, addressed to myself, under date March 20th, 1889; (2) agreement under date 15th March, 1889, between Justus B. Entz and Thomas A. Edison; (3) two assignments of Justus B. Entz to Thomas A. Edison, dated, respectively, 3d day of January, 1889, and 11th day of February, 1889. Mr. Insull asks to have certain corrections made in the agreement of March 15th, and I have considered it advisable to send all the papers to you, so that you can adjust them, and return them to me, after which I will advise Mr. Insull, so that he can make the necessary additions to Mr. Entz's copy of the contract.

Yours very truly,

Private Secretary.

April 11, 1889

T. B. Comery, Esq.,

Richmond Hill, L. I.

Dear Sir:-

Replying to your letter of 10th instant, Mr. Edison will be very glad to see yourself and your friends at the Laboratory any day you find it convenient to come over. Kindly do not fail to advise us in advance, so that I can arrange to have the phonograph on exhibition in the Lecture Room.

Yours very truly,

[illegible] Secretary.

April 11, 1889.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to call your attention to your letter to me under date 8th February, in which you indicate your willingness to negotiate with Mr. John I Sabin for the sale of the phonograph in the Sandwich Islands. Mr. Sabin, as I have already informed you, is the President of the Pacific Phonograph Company, a man of means and an excellent man of business. It would be difficult, if not impossible for you to find a better connection for operating in these far away islands. I am to-day in receipt of a letter from Mr. Sabin, or rather from his associate, Mr. Louis Glass. The latter is the General Manager of the Pacific Phonograph Co., and Mr. Sabin's brother-in-law. He states in his letter that a communication addressed to you about February 2d, and applying for the Sandwich Islands and Central America has not yet received attention. I have written three letters, explaining to them that

Col. I. E. G. -2-

are have been more than easy with the general introduction of the phonograph in England and other foreign countries, and that their communication would without doubt receive attention from you had an opportunity of taking the matter up.

Yours very truly

Private Secretary.

I have not forgotten the information which you asked for some time ago in the central details of the business of the Bell Aus in the phone for Cash and it forward as specially as I can

April 11, 1890

Messrs. Parsly, Ockmont & Pick,

47 Montgomery Street, Jersey City,

N. J.

Dear Sirs:-

I am very much obliged for your letter of 8th instant, in regard to taxation of the Edison Phonograph Co.

With reference to deeds of certain property at Bloomfield, which were sent you by Mr. John G. Tomlinson, for the purpose of having the title searched, I beg to say that this property belongs to me, and for several months past I have been trying to find out from Mr. Tomlinson what he did with my deeds. He was under the impression that they were among his papers but was never able to locate them, and I gave them up for lost. I am very much pleased to find them again, and wish you would be kind enough to continue the search which you have already instituted, and when the same is completed, advise me of the result and forward me a bill for the attendant expenses. Yours very truly,

April 11, 1889

Messrs. Eaton & Lewis,

120 Broadway, New York City.

Dear Sirs:-

I enclose herewith notice from the Department State Board of Assessors, Trenton, N. J., regarding return which is to be made on or before the 7th day of May next relative to affairs of the Edison Phonograph Co. - I also enclose a letter from Messrs. Parsly, Glengorf & Fink, of Jersey City, who dealt with this matter last year. During the year 1888 the Edison Phonograph Co. owned a phonograph factory at Bloomfield, N. J., which later on was turned over to the Edison Phonograph Works. I do not clearly see upon which ground we can at the present time describe the Edison Phonograph Co. as a manufacturing Co. Perhaps there is some other way by which we can avoid taxation?

Yours truly,

April 11, 1889.

Mr. Chas. J. Klein, Sup't.,

The Edison United M'f'g. Company,

New York City.

Dear Sir:-

In reply to your letter of 8th instant, I will look up the tracing of Rockefeller's grounds and send it over to you some time to-day.

I have a bill against your Company which I will forward very shortly, for the preparation of these plans. They were made by Mr. Seubel at a time when his salary was being paid by this Laboratory. The bill amounts to about $40.00.

Yours truly,

Private Secretary.

April 11, 89

My Dear Insull,-

Major Eaton writes Mr. Edison, under date 8th instant, referring to the latter's agreement with Mr. Lippincott not to bring suit against Gilliland and Dodinson for six months, that the time expired on the 5th instant, and so far as Mr. Lippincott is concerned there is nothing to prevent our commencing suit now.

Yours very truly,

Private Secretary.

Samuel Insull, Esq.,
10 Doy St., New York.

April 12, 1889.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

My Dear Sir:-

The proposition which you make in your letter of 26th ult., in regard to the exhibition of the phonograph in Paris, has marked a period beyond which I cannot go without expressing to you very fully the impression which you have made upon my mind, and upon the mind of the public at large, by the course you have pursued and are continuing in your business relations with myself. Had I yielded to my inclinations I would long ago have made this matter the subject of a communication to you, but the hope that you would eventually realize the impropriety of your methods and correct them without interference on my part has caused me to refrain hitherto from discussing the question personally. This letter is the evidence of my disappointment. I feel that in justice to myself and my interests I can no longer maintain a passive resistance - for while I have not before commented very freely upon your actions, I have said enough to convey to you something

more than a suggestion of my real opinion.

That my opinion is well founded and my judgment sound is proven very clearly by the results which your policy has brought forth. From every quarter, directly and indirectly, by letter and personally from travellers returned from Europe, are borne to me expressions of popular opinion as to the way the phonograph is handled in Europe, and all alike condemn a system which takes the instrument out of the realm of commerce to make it an adjunct to an advertising scheme which has but one equal in contemporary history - a reference which my cablegram of 8th instant will make quite clear.

From a purely business standpoint, and apart entirely from any personal feeling which I may have, your policy is susceptible of the gravest criticism. I am perfectly familiar with and appreciative of the beneficial results to be derived from advertising but there is a limit to this as to everything else - a time when it is well to drop the sensational and deal with the practical side of business, and this period you reached and passed long ago, and the public which, for a while, listened respectfully to all that was to be said about the phonograph, is assuming now a very different attitude - an attitude expressive more of amusement as to personal motives than of interest in a practical and scientific novelty.

Under cover of exciting public interest in the phonograph you have adopted a plan which retards the progress of real business and keeps the instrument before people as a curiosity with which they may make themselves familiar for a slight consideration, and so long as this preliminary system continues to pay, it appears to be your intention to sustain it. Nothing of the kind was contemplated by me when I consented to your handling the business. I believed that you would pursue genuine business methods and never dreamed that you would side-track the whole enterprise for the purpose of gaining time to indulge in a series of picayune side-shows which do far more harm to your real interests than can ever be compensated for by the temporary gain which they ensure.

I do not now refer to any one particular effort which you have made - some of your plans have been excellent, others just the opposite - and it is the latter which result in rendering nugatory all of your better and higher endeavors and produce a general effect that savors too much of the style of enterprise peculiar to a certain class of phrenologists and ventriloquists. You have simply let your desire to make quick money run away with your better judgment.

Your proposition in regard to the Paris Exposition is a step too far. It cannot be that you are so blind to all sense of propriety as to be unable to see the position in which I would be placed were you to have carried out your intention in this

connection, but you were evidently quite prepared to sacrifice me so long as an opportunity was afforded you of making a little money. Your suggestion is capable of no other explanation, and it is of just such inconsiderate action in your relations with me that I complain.

I simply wish to say in conclusion that when I gave you permission to use my name in Europe, in connection with the introduction of the phonograph, the permission was bounded by limits of reason and propriety and conveyed no license to take undue or uncalled for liberties with it. My associates acting in my name must understand that my personality is a factor demanding respect and consideration and that there are no bonds of any nature whatsoever strong enough to bind me to a business relationship from which these elements have been eliminated.

Yours truly,

Thomas A. Edison

April 12, 89.

Dear Miss Stilwell,-

With reference to your letter of 8th inst., I beg to inform you that Mr. Edison has no objection to the upper part of the office being used for the purpose mentioned.

Yours very truly,

Private Secretary.

Miss Eugenie L. Stilwell,
Menlo Park, N. J.

April 12, 89.

Francis R. Upton, Esq.,

The Edison Lamp Company,

Harrison, N. J.

Dear Sir:-

I have your letter of 11th instant, and am very glad of the opportunity of perusing the correspondence with Mr. Ricalton upon the subject of a new engagement. I think Ricalton is a man of superior intelligence, and he certainly has a wonderful amount of energy.

Yours very truly,

Private Secretary.

April 12, 1889

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

Extract from your letter under date March 20, 1889:

"As it is desirable to have the phonograph exhibited in "circumstances of absolute quiet, and with every con-"venience and comfort, I am of opinion that the noise of "your exhibits would be very prejudicial to it in this "respect. In this Mr. Harmer agrees with me, and I pur-"pose providing for this - and indeed have already taken "steps to that end - by either finding or creating some "suitable place at a distance from the general Exhibition. "This of course will entail further heavy expenses, which "I expect to be covered by a small charge of admission to "the general public, and complimentary tickets can be is-"sued to the nobility and other people of importance, who "may desire to see it more thoroughly. I quite under-"stand that you shall not participate in the expense of "this part of the exhibition, for which I take the risk "myself, and any profits, if there be such, which I do not "anticipate will be the case, when all things are considered."

I quote below your cablegram in response to my message, protesting against the above proposition:

"Protest needless; no such intention."

Yours truly,

Thos. A. Edison

April 13, 1889.

[illegible],

I have accepted, on behalf of yourself and Mr. [illegible] the invitations in connection with the Centennial Celebration of the Inauguration of George Washington, and I presume the tickets mentioned on the enclosed card will be here in a day or two.

Yours truly,

[illegible]

April 13, 1889

Mr. W. S. Mallory,

23 West Randolph Street,

Chicago, Ills.

Dear Sir:-

I beg to confirm the following telegram sent you 11th instant:-

"Better shut down for a month so we can experiment. Ship two barrels crude ore and two barrels crushed ore, just as in the hopper. Express twenty-five pounds of latter immediately and few samples original ore. T. A. Edison."

Yours truly,

T A Edison

April 15th 1889

The Edison Machine Works
Schenectady
New York

Dear Sirs

I beg to advise you that we received from your Mr Insull this morning the following notes which have been placed to your credit.

No 1348 dated April 13. 1889 Four months due Aug 16. 1889 at the Germania Bank for $5000.00

No 1349 dated April 13. 1889 Four months due Aug 16. 1889 at the Eleventh Ward Bank for $5000.00

Yours truly
Thomas A. Edison
A.

Apr 13 15, 89.

Mr. H. P. McIntosh, Sec'y.,

The Canadian Copper Company,

108 Superior St., Cleveland, Ohio.

Dear Sir:-

Replying to your letter of 10th instant, Mr. Edison asks me to say that you should not delay any proposed works on his account. He has taken up the subject which you refer to actively as an experimental problem, but can give no date when he can accomplish practical and satisfactory results.

Yours very truly,

Private Secretary.

April 15, 1889.

H. Miller,

In reference to the Bloomfield factory, I enclose herewith a bill from the Mutual Benefit Life Insurance Company, covering the rent on this factory from January 1st to May 1st, 89, amounting to $200. I have effected an arrangement with this Company whereby our lease of the Bloomfield factory expired on 10th instant, so that the amount due them for rent should be made up to that date and not up to the first of May. Make the account up in accordance with my arrangement, and we will pay it. It seems to me that we have made a payment since the 1st of January on this lease.

April 13, 83.

Mr. W. H. Handsworth,

The Edison United M'f'g. Co.,

65 Fifth Ave., New York City.

Dear Sir:-

I have your letter of 10th instant, asking for a drawing of Mr. Edison's "Phonometer." You probably mean PHONO-MOTOR. This Mr. Hamer took with him to Paris, to be exhibited there, with Mr. Edison's other inventions, at the Exposition, and there is no picture of it at the Laboratory from which I could have a copy made for you. Regretting my inability to help you out in this matter.

I am, yours truly,

Private Secretary.

April 16, 89.

Mr. J. H. Wood,

67 Liberty Street,

New York.

Dear Sir:-

I enclose herewith notice from the Exchange Fire Insurance Co., relative to unpaid premium on policy issued to Mr. Edison by that Company. Kindly give it your attention.

Yours truly,

Private Secretary.

April 16, 89.

Mr. P. K. Pattison,

Westfield, N. Y.

Dear Sir:-

I beg to advise you that the Loud-Speaking Telephone, which was loaned you by Mr. Edison, has been duly received at the Laboratory. We are glad to learn that you obtained fairly good results from it.

Yours truly,

Private Secretary.

April 16, 89.

Mr. W. J. Jenks, Director,
Standardizing Bureau, Edison E. Lt. Co.,
New York City.

Dear Sir:-

In reply to your letter of 10th instant, relative to new method of treating Ester Solution, I beg to say that this matter has received consideration and has already been patented.

Yours truly,

Thos. A. Edison

April 16, 89.

A. B. Dick Company,
152-154 Lake St., Chicago, Ills.

Dear Sir:-

I beg to acknowledge receipt of your check No. 92, for $318.30, covering Mimeograph Royalties to April 1st, 1889, as per contract, for which please accept thanks.

Yours truly,

Thos. A. Edison

April 14, 89.

Mr. Chas. A. Bloomfield,

27 Bank Street, New York City.

Dear Sir:-

Mr. Edison says in reply to your letter of 8th inst. that you can have one more freight car, and he would like you to make him an offer for the passenger car.

Yours very truly,

A. O. Tate,

Private Secretary.

April 14, 80.

The Edison Machine Works,

S c h e n e c t a d y, N. Y.

Dear Sirs:-

Will you kindly send us 50 yds. of No. 18 WWG wire prepared as follows:-

Wind with one layer of very thin cotton, then with rubber, and on this braid a very thin layer of cotton, at the same time making the mesh as close as possible.

Also send 50 yds. of wire prepared as above, but in place of braid, simply wind the cotton on the rubber.

The idea is to have as little inflammable material as possible.

Yours truly,

Thos. A. Edison

April 16, 89.

Jesse Seligman, Esq.,

New York City.

D e a r S i r :-

Your letter of 13th instant to Mr. Edison, addressed to "Menlo Park," only came to hand this morning.

Mr. Edison regrets very much that it will be impossible for him to call and see you at your office to-day, as you request. He was working all of last night, and expects to be working every night this week, on a new experiment which he has taken up. If, however, the matter in regard to which you desire to see Mr. Edison is important, the latter will arrange to go in to New York and see you one day this week, if you will let him know which day would be most convenient for yourself. If the subject is one that could possibly be conducted by correspondence, Mr. Edison would much prefer that mode of treating it, as some of his experiments are in such a condition, he does not like to leave them even for a short time; but he will not allow

this consideration to prevent his calling upon you should you deem it desirable.

Awaiting your reply

I am, yours very truly,

A. D. Tait

Private Secretary.

April 16, 1889.

Everett Frazar, Esq.,
124 Water Street,
New York City.

Dear Sir:-

Your letter of 15th instant addressed to Mr. Tate, acknowledging receipt of memo. invoices for phonograph parts sent you and copy of directions for using new spectacle, also inquiring cost of phono. blanks, is duly at hand.

I telephoned you this morning to the effect that Mr. Tate was absent in Boston - where I think he will be detained the rest of this week - and that the phono. blanks would cost you seventy-five cents per dozen.

We are having a number of the "Directions for Using New Spectacle" mimeographed, and when they are ready I will send you a few copies.

Yours truly,

Geo.

April 16, 89.

Mr. M. C. Raven,

508 California Street,

San Francisco, Cal.

Dear Sir:-

Mr. Edison says in reply to your letter of 8th inst. that at present there is not much demand for Bismuth, on account of its high cost. He is of the opinion, however, that if its present price could be reduced one-half or one-third, a large market could be worked up for it in connection with various industrial uses. Mr. Edison would like very much to receive a sample of the ore, together with some description of it, and an indication of the probable quantity &c.

Yours very truly,

A. O. Tate

Private Secretary.

April 16, 89.

Dear Mr. Tate,-

There has not been anything of much importance occurred at the Laboratory to-day.

There was a letter in this morning's mail, under date 13th instant, from Jesse Seligman, the Banker, asking Mr. Edison to call and see him at his office in New York, Monday or Tuesday, on a matter of business. The letter was addressed to Menlo Park; hence the delay in receiving it. As per instructions from Mr. Edison, I wrote Seligman a nice letter, stating that the former had been working all of last night and expected to work every night this week, that it was impossible for him to go into New York to-day, but if the matter was important he would arrange to go in and see him one day this week, &c. &c.

There is also a letter addressed to yourself from Selden, stating that the rate named his Company for phonoplex will be considered confidential, and requesting us to prepare new contracts.

We also received to-day from Dick check for Phonograph Royalty to April 1st, amounting to $61[illegible].

There is a letter from the "WORLD," requesting, on behalf of Mr. Pulitzer, the address of the manufacturers of the toy phonograph, which I am holding until you return.

Mr. Anglinclose and a large party of friends visited the Laboratory yesterday afternoon, and were shown through, Mr. Kennelly doing the honors.

I intended going into New York to-day to get Gourand's power of attorney for India fixed up, but there were so many little things cropped up requiring immediate attention, I was unable to do so. Will go in to-morrow.

Yours respectfully,

Thos. A. Edison

A. O. Tate, Esq.,
c/o Parker House,
Boston, Mass.

April 19, 1890.

S. B. Eaton, Esq.,

120 Broadway, New York.

Dear Sir:-

In the contract between Thos. A. Edison and Jesse H. Lippincott, under date June 28th, 1888, reference is made in the First Clause to the Homeway stock, and the amount mentioned in the contract as having been paid for this stock is $23,500. This is an error. There were 150 shares of stock sold to Mrs. Homeiway, and the price paid for the same was $148 per share, making the total amount $22,200, or $300 less than the amount named in the above contract. You told me some time ago that if I would write you about this matter, you would adjust it with Mr. Lippincott's attorney.

Yours very truly,

Private Secretary.

April 19, 1889.

Nicholas H. Boll, Esq.,

Sup't. Foreign Mails, P. O. Dep't.,

Washington, D. C.

Dear Sir:-

Referring to your letter No. 85,393 Ger., under date 30th ultimo, quoting an extract from a communication which you have received from the German Office in regard to Phonoplex Telegraph apparatus for the Imperial Postal Museum, I beg to say that I am having these instruments made, and will forward them to you securely packed as quickly as they can be gotten ready.

I wish you would be good enough to convey to the Imperial German Post Office my thanks for the books &c. which they have sent to me; and I will also trouble you to instruct the Postmaster at New York to forward the packages direct to me at Orange, N. J.

Yours very truly,

Thos. A. Edison

April 19, 1889.

Col. George M. Gouraud,
Little Menlo, Upper Norwood,
Surrey, England.

Dear Sir:-

I enclose herewith a letter from the Secretary of the Birmingham Electrical & Industrial Exhibition, 1889, making a request for a phonograph to be exhibited in Birmingham at the Exhibition. Will you very kindly arrange to send a machine there some time between August 1st and October 30th next.

Yours very truly,

T. Edison

April 19, 1880.

T. C. Sharp, Esq., Sec'y. & Manager,

The Electrical & Industrial Exhibition, 1880,

B i r m i n g h a m , England.

Dear Sir:-

I beg to acknowledge the receipt of your letter of 3rd instant, in regard to sending a phonograph to the Birmingham Electrical Exhibition. I have to-day written my Agent, Col. Geo. M. Gourand, Little Menlo, Upper Norwood, Surrey, England, asking him to comply with your request.

Kindly convey to your Committee my thanks for the kind invitation which they have extended to me to visit the Birmingham Electrical & Industrial Exhibition between August 1st and October 30th, next. It will give me great pleasure to accept this invitation if my engagements will permit me to go abroad this year, of which I am at present in doubt.

Yours very truly,

Thos A Edison

April 19, 89.

United States Supply Co.,

Fol John Street, New York City.

Dear Sirs:-

The rotary pump that we purchased from you some time ago does not seem to be large enough to perform our work. What we want is a pump that will lift water ten feet through a one inch pipe and discharge about 130 gallons per hour at an elevation of 70 feet. This the pump we now have will not do. From your letter to us of 27th February last we got the impression that you could supply us with a pump capable of doing this work, but we have tried it in every possible way without obtaining a satisfactory result. Can you supply us with a larger pump capable of performing the work as above described? We would like you to send some one out to see us in regard to the matter, or if it is not convenient for you to send a representative to Orange, we will send some one in to New York to consult you.

Yours very truly,

LABORATORY OF THOMAS A. EDISON.

By

April 10, 1889.

Mr. W. J. Hammer,
Edison Exhibit, Machinery Palace, Exposition,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams sent you:-

NEWARK, PARIS.

April 18, 1889.

"Phonograph must be exhibited same as all my inventions. Forbid absolutely charging admission fees. Use your judgement. E d i s o n."

NEWARK, PARIS.

April 19, 1889.

"Take absolutely no instructions as to phonograph exhibit except from me. Make no arrangement with Gourraud about sharing expenses. Pavilion must not cost more than three thousand. Intend exhibit shall be my own, at my own expense, and under my control. EDISON."

Yours truly,

Rosa Bonney

April 14, 89.

Col. George E. Gouraud,
Langham Hotel, Great Portland St.
London, England.

Dear Sir:

I beg to inclose the following cablegram sent you to-day:-

GOURAUD, NORWOOD. April 10, 1889.

"Have concluded that Paris phonograph must form portion of my exhibit, at my own expense and under my own control.

E d i s o n."

Yours truly,

T. A. Edison

April 22, 80.

S. S. Eaton, Esq.,

120 Broadway, New York City.

Dear Sir:-

I am much obliged for your letter of 18th instant, in regard to N. J. tax on Edison Phonograph Co.

Yours truly,

Thos. A. Edison

April 22, 80.

S. S. Eaton, Esq.,

120 Broadway, New York.

Dear Sir:-

I beg to acknowledge receipt of your favor of 18th instant, informing me that you have succeeded in getting my name taken off of the New York City tax list for the current year.

Yours truly,

Thos. A. Edison

April 20, 1889.

Mr. W. J. Hammer,

P a r i s , France.

Dear Sir:-

I have received your letter of 6th instant, enclosing Col. Gourand's letter to yourself under date 2d inst., regarding the exhibition of the phonograph in Paris, and have elsewhere confirmed my cablegram to you on the same subject.

It is my intention that the phonograph, as well as all my other inventions, shall be exhibited in Paris upon a purely scientific basis, excluding all commercial or speculative elements, and I have decided that in order to carry out this intention and keep the control of my exhibit in my own hands, I will assume personally the whole of the expense connected with the phonograph, which decision I cabled to Col. Gourand yesterday, as well as to yourself.

I will not countenance any exhibition of the phonograph for money anywhere within the City of Paris during the time the Exposition is in progress. I desire you to recognize only my own instructions relative to the exhibition of this instrument.

In regard to the pavilion which you propose building, the amount which you name - five thousand dollars - is too high. You ought to be able to erect a suitable enclosure for an amount not exceeding three thousand dollars, which latter sum my cablegram of yesterday authorized you to expend.

Kindly keep me fully informed upon all matters connected with this affair, and do not fail to use the cable when you consider it necessary.

Please acknowledge receipt of this letter immediately.

Yours truly,

* I thought you may have meant 5000 francs. If so spend up to that amount. If however you meant dollars please control the expenditure as above.

April 26, 89.

Col. George E. Gourand,

Little Menlo, Upper Norwood,

Surrey, England.

D e a r S i r :-

Your letter under date 2d instant to Mr. W. J. Hammer, regarding the exhibition of the phonograph in Paris, has been referred to me.

I wish you would examine two of your statements which I place parallel below:-

EXTRACT FROM YOUR LETTER TO MR March 26th, 1889.

As it is desirable to have the phonograph exhibited in circumstances of absolute quiet . . . I purpose providing . . . some suitable place at a distance from the general exhibition. . . . This of course will entail further heavy expenses, which I expect to be covered by a small charge of admission to the general public. . . I quite understand that you shall not participate in the expense of this part of the exhibition for which I take the risk myself and any profits if there be such which I do not anticipate will be the case when all things are considered.

EXTRACT FROM YOUR LETTER TO MR. HAMMER, April 2, 1889.

I am of the opinion . . that it would be better to have the work of the phonograph, lectures, loud and low records &c. for the general public at some other place than in the exhibition itself, because we would thereby not only reduce but indeed entirely eliminate the question of expense for Mr. Edison and myself to bear as regards the phonograph exhibition and would besides have a large surplus to the balance, in which latter I should be happy to give you a substantial interest for your personal supervision.

You have represented to Mr. Hammer that the expense of the proposed outside exhibition of the phonograph was to be borne by you and myself jointly, and you also imply that I was to have been interested in the anticipated proceeds, notwithstanding the fact that you had proposed to me an entirely different arrangement, while your statement to Mr. Hammer regarding a "large surplus" does not harmonize very well with the statement you previously made to me on the same subject.

I do not bring this matter before you to discuss the proposition which it involves, as I have already notified you that I will not consent to anything of the kind, but I would like to know why you consider it necessary to misinform me upon any subject that is discussed between us.

So far as Paris is concerned, I cabled you yesterday my decision to the effect that I will myself bear all the expense connected with the exhibition of the phonograph. I do this because I am determined to have my whole exhibit, including the phonograph, conducted upon a purely scientific basis, excluding all commercial and speculative elements, and I will not countenance an exhibition of the phonograph for money anywhere within the City of Paris during the time that the Universal Exposition is in progress.

It would be much better if you and I could reconcile our ideas of business without any further delay, as at present they are very wide apart, and the seriousness of such a state of affairs must be apparent to you.

I have done all in my power to assist you and further the work which you have in hand, and you have met my efforts by the inauguration of a policy which is not only obstructive in nature, but actually threatens to bring the enterprise into contempt in the estimation of the public. In explanation of the policy which you have pursued, you will probably plead expense - that the amount of your outlay in connection with pioneering &c. has been very large, and that you have desired to make the business self-sustaining from the start - perhaps a little more than self-sustaining if your London exhibitions have realized anything like what you anticipated in Paris. This plea is no justification of your methods, and it is therefore useless for you to advance it. You have a very large interest in the proceeds of the legitimate enterprises contemplated in your contract with myself, and no amount of money which you could possibly spend in properly preparing to carry out your agreement would be other than a small consideration for the benefits which it secures to you. For every dollar which you spend in this business I spend not less than twenty-five. I expected to invest money before looking for a return, and expected most decidedly that you would provide the funds necessary to carry your work through its early stages without resorting to a plan which means nothing more nor less than the evasion and postponement of my interests and the concen-

Gdi. H. M. G.

-4-

tration of your efforts for the benefit of yourself alone.

Yours truly,

Thomas A. Edison

April 9

H. Wood Esq
67 Liberty St
New York

My dear Sir: What day can you come out here to see to the cellar and unpack the Spring Wine for the Saturday sale. If you can give us advance so I will be sure to be here.

Yours truly

Otley

April 26, 19.

Edison Lamp Company,

Harrison, N. J.

Dear Sirs:-

I return herewith four months note for $2,500.00, payable to yourselves, which was enclosed with your memorandum of yesterday, duly signed and endorsed by Mr. Edison as desired.

Yours truly,

Private Secretary.

April 23, 80.

Mr. Gustav Franke,

30 South Fifth Ave.,

New York City.

Dear Sir:-

I have your letter of 16th instant, in reply to mine of the 9th, relative to the cabinets which you made for me.

In ordering these cabinets we were particular to inform you as to the size of the hole which was to be cut on top of same. You were also instructed to make the tops out of four pieces of wood, glued together, instead of which you made them solid, contrary to order. Had you followed our instructions in making the cabinets, the tops would not have split, and the explanation which you offer in your letter under reply relative to this trouble is very unsatisfactory and will not hold for a moment. Do you think it is impossible to cut a hole such as we make in our phonograph cabinet without the wood splitting? If so, how is it that the tops of sewing machine tables do not split, and they have holes cut in them of about the same size as ours? Furthermore, the tables of your cabinets are splitting, not upon the end where the

hole is, but on the end where the table is solid.

Please let me hear from you further in regard to this matter by return mail.

Yours truly,

Thos P. Palmer
Jr.

Telegram. April 23, 1889.

A. T. E. Wangemann,

Parker House,

Boston, Mass.

New England Phonograph Company complain you are giving public exhibitions, thereby interfering with their business. You must not do so. You can remain to-night.

T. A. Edison.

Telegram. April 22, 1889.

J. H. Lippincott,

160 Broadway, New York.

Have instructed Wangemann as requested by New England Company.

T. A. Edison.

April 22, 89.

Mr. W. J. Hammer,

Edison Exhibit, Machinery Palace, Exposition,

P a r i s , France.

Dear Sir:-

I beg to confirm the receipt of the following cable-gram received from you yesterday:-

"I understand. Ship exhibition spectacles and wax quick. Hammer."

Yours truly,

Thos. A. Edison

M.

April 24, 1886.

W. J. Jenks, Esq.,

Edison Electric Light Company,

New York City.

Dear Sir:-

Mr. Edison has made the following note upon your letter of 22d instant, in regard to transformers:-

"I think the Machine Works transformer will fill the bill in every respect. All that I could do was toward sharpening, not improving, as the Machine Works transformer is more perfect than any known transformer."

I return herewith correspondence enclosed with your letter under reply.

Yours very truly,

Ad. Tate

Private Secretary.

A.

April 24, 1889.

W. J. Alder, Esq.,

27 Leadenhall Street,

London, E. C., England.

Dear Sir:-

Mr. Edison has received your letter of 10th instant, and asks me to say in reply that he has tried about twenty different forms of driving the phonogram. His latest form of screw, with its accompanying devices prevent the ignorant from damaging the thread. He has automatic machinery for cutting this screw at an exceedingly low cost. Mr. Edison says further that he cannot afford at present to make any changes in connection with the machine.

Yours truly,

A. O. Tate,

Private Secretary.

M.

April 24, 1889.

Jesse Seligman, Esq.,

Mills Building,

New York City.

Dear Sir:-

Mr. Edison asks me to communicate to you the results of the test made at this Laboratory of the Gassner Dry Battery. This battery has been found to be nearly, but not quite so good as a Leclanche cell of equal dimensions, which is the same conclusion that others who have tested this battery have arrived at. It is very portable, compact and clean. Where bell ringing and light discontinuous work is required, it is well suited for adoption, but is in no way qualified for the production of electrical power. It has, therefore, quite a useful and extensive field to supply, but can hardly be said to be the 'very best' even in that line. Its convenience is its best quality, and power cannot be expected from it.

Yours very truly,

Private Secretary.

April 25th 1889.

German National Bank
Broad Street
Newark N. J.

Dear Sir

I beg to enclose you herewith check on Messrs Drexel Morgan and Co for $20000. 00/100.
Please place same to my credit and oblige

Yours truly
Thomas A. Edison
A.

April 24, 1889.

Edward P. Clark, Esq.,

The Evening Post,

New York City.

Dear Sir:-

I received your letter of 22d instant, in regard to the Welsh Memorial Road project, and have brought the matter to Mr. Edison's attention, who desires to subscribe fifty dollars ($50.00), for which amount I take pleasure in enclosing his check.

Yours very truly,

Private Secretary.

April 25, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

GOURAUD, NORWOOD. April 25, 1889.

"Have no old spectacles. New ones covered by case sent you seventeenth. Hurry applications and advise.

EDISON."

Yours truly,

Th. Edison

April 25, 1880.

My Dear Upton,-

Am hard up! You owe us about THREE THOUSAND DOLLARS. Can you let me have part of it - no matter how small a part - by Saturday?

Yours very truly,

Francis R. Upton, Esq.,
Edison Lamp Company,
Harrison, N. J.

April 28, 1889.

Jesse Seligman, Esq.,

Mills Building, New York.

My Dear Sir:-

Mr. Edison will go to New York on Saturday next, and would like to meet you at your office at 3 : 30 the same afternoon. If this hour is inconvenient to yourself, kindly advise me.

Yours truly,

Private Secretary.

April 28, 89.

S. B. Eaton, Esq.,

120 Broadway, New York.

My Dear Sir:-

Mr. Edison has asked me to say to you that Messrs. Tomlinson and Gilliland have engaged passage for Europe on a steamer leaving New York on the 15th of May. He wishes you to know this, so that you can take such action as may be necessary in regard to commencing suit.

Yours very truly,

Private Secretary.

April 26, 1889.

My Dear Mr. Dredge,-

I am very much obliged for your kind letter of 2d instant. I quite agree with you that it is desirable for you to carry out any arrangements which you made in regard to showing the Ore Milling machine, and I hope that you will meet with as much success over there as we have here.

Yours very truly,

James Dredge, Esq.,
35 & 36 Bedford St., Strand,
London, W. C., England.

April 26, 80.

Mr. John Kreusi,

The Edison Machine Works,

Schenectady, N. Y.

Dear Sir:-

I enclose herewith three samples of fireproof wire. Those wires burn some when held in a flame, but do not burn with the current. Can you suggest any improvements?

Yours very truly,

April 26, '89.

Messrs. Armstrong, Knauer & Co.,

822 & 824 Broadway, New York.

Dear Sirs:-

With reference to your letter of 23d instant, I beg to say that Mr. Edison does not care to advertise in the Official Catalogue of the Paris Exposition of 1889.

Yours truly,

Private Secretary.

April 26, 89.

Mr. John H. Wood,
67 Liberty St., New York.

Dear Sir:-

I have your note of 24th inst., stating that you will come over to the Laboratory on Saturday a. m. in regard to sprinklers. Please try and be here not later than 10 a. m., as I have an engagement in New York for twelve o'clock, and shall leave Orange about eleven a. m.

Yours truly,

April 26, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm receipt of the following cablegram rec'd. from you under date 24th instant:-

"Send old spectacles Paris London pending patents Academy great success."

Yours truly,

Thos. A. Edison

M.

April 26, 89.

Jesse Seligman, Esq.,
Mills Bldg., New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:

"Mr. Edison will be at your office to-morrow, Saturday, between twelve and one. A. O. Tate."

Yours truly,

Private Secretary.

April 26, 80.

S. B. Eaton, Esq.,

120 Broadway, New York.

Dear Sir:-

I beg to confirm the following telegram received from you to-day:-

"General Company board met to-day. Organization completed and every contract approved and ordered executed. Will visit you to-morrow. S. B. Eaton."

To which I replied as follows:-

"Will be in New York to-morrow and will call at your office. T. A. E."

Yours truly,

Thos. A. Edison

Apr 27/ 9

P. J. Dyer Esq
Rue Oay 43
Antwerp

My dear Sir: I take pleasure in introducing to you Mr. A. B. Dick who represents my interest in the Edison Mimeograph and who goes to Europe on a business tour. Mr Dick desires among other things to collect data regarding the doll trade of Europe and I will appreciate any assistance you can render him.

Yours very truly

Thomas A. Edison

258 1/2
258 1/2

Apl 29th 9

Messrs J. & W. Seligman & Co,
New York

Dear Sirs: This will introduce to you my friend Mr Samuel Insull, to whom I have turned over the Phonograph matter as it is next to impossible for me to give the time to follow it up closely.

Mr Insull has for years past had charge of most of my negotiations and is thoroughly familiar with my Phonograph

Phonograph affairs.

I shall be glad if you will deal with him the same as though you were dealing with me.

Yours very truly

Thomas A. Edison

May 8, 1880

Francis R. Upton, Esq.,
Edison Lamp Company,
Harrison, N. J.

Dear Sir:-

The writers of the attached letter, Messrs. Armstrong, Knauer & Co., wrote to Mr. Edison, requesting him to advertise in the Official Catalogue of the Paris Exposition. As Mr. Edison's exhibit is made upon a purely scientific basis, and as he does not wish to introduce any commercial element into the affair, I replied to these people as indicated in their letter. I have thought that perhaps I am not familiar with the nature of this Official Catalogue, and that you will probably understand exactly what it is. I shall be glad to receive any advice that you may think it desirable to give me.

Yours very truly,

Jehnie

Private Secretary.

[Copies of this letter were sent to the following people: William W. Jacques, Herman Trost, Otis Weld, Benjamin F. Stevens, George A. Alden, R. M. Field and Lowell C. Briggs. pp. 263-272]

May 2, 1889.

Daniel Weld, Secretary and Treasurer,

Edison Phonograph Toy Manufacturing Co.,

95 Milk Street, Boston, Mass.

Dear Sir:-

Referring to the agreement between Lowell C. Briggs and William W. Jacques, and myself, dated November 26, 1887, providing for a license under Letters Patent in various foreign countries, for an Improvement in Phonographs or Speaking Machines, invented by me, and having been informed that you claim certain rights touching the said agreement, I hereby notify you that the license therein contained has expired for non-payment of royalties, and, moreover, has been forfeited for violation of the provisions of the contract by the said Briggs and Jacques.

A copy of this letter will be given to each of your officers, to each member of your Board of Directors, and to both Mr. Briggs and Mr. Jacques.

Respectfully,

Thomas A. Edison

May 2, 1889.

Richard H. Ogate, Esq.,
Orange, N. J.

My Dear Sir:

I have your note of even date, enclosing two tickets, admitting bearer to the Laboratory, Saturday next, May 4th, 1889, and the time mentioned thereon is entirely satisfactory. We shall be pleased to receive the Delegates of the Association, and will do what we can to make their visit interesting.

Yours truly,

Private Secretary.

April 27, 1889.

To

Dr. E. Lommel,
Dr. L. Sohncke,
Dr. E. Voit,
Munich, Germany.

Dear Sirs:-

Mr. Edison has received your letter under date 18th of March last, relative to the Ohm monument which you purpose erecting in Munich, and has asked me to thank you for same.

If you will kindly inform me when you desire Mr. Edison to forward his contribution, I shall have much pleasure in sending you his check for the amount, - viz, $250.

Yours very truly,

Private Secretary.

April 26, 89.

W. J. Alder, Esqr.,

#27 Leadenhall Street,

London, E. C., England.

Dear Sir:-

Mr. Edison has received your letter of 10th instant, and asks me to say in reply that he has tried about twenty different methods of driving the phonograph. His latest form of screw, with its accompanying devices prevent the ignorant from damaging the thread. He has automatic machinery for cutting this screw at an exceedingly low cost. Mr. Edison cannot at present make any changes in connection with the machine.

Yours truly,

Private Secretary.

May 2, 89.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs,

I return herewith four months note for $1216.55, in favor of the Consolidated Fruit Jar Co., the same having been enclosed with your note of 27th ultimo, duly signed by Mr. Edison as President.

Yours truly,

Private Secretary.

May 3, 1889.

Mr. Wm. H. Meadowcroft,

c/o The Edison United M'f'g. Co.,

New York City.

Dear Sir:-

I have Mr. Salvage's inquiry relative to the phonograph, addressed to the Edison United M'f'g. Co., and note your remarks thereon.

All communications in regard to the phonograph in the United States and Canada should be referred to the North American Phono. Co., No. 160 Broadway, New York. The sale of the phonograph in the rest of the world, excepting China and Japan, is controlled by Col. Geo. E. Gourraud, Little Menlo, Upper Norwood, Surrey, England, the instrument in China and Japan being in the hands of Messrs. Frazar & Co., 124 Water St., New York.

Yours very truly,

Private Secretary.

May 3, 1889.

Mr. W. J. Hammer,

Edison Exhibit, Machinery Palace, Exposition,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegram received from you yesterday:-

EDISON, NEW YORK. May 2, 1889.

"Send twelve M. one thirty-five
Hammer."

To which I replied as follows:-

NEWARK, PARIS. May 3, 1889.

"Do not understand your cablegram
Edison."

Yours truly,

May 3, 1889.

Messrs. Eaton & Lewis,

120 Broadway, New York.

Dear Sirs:-

The tax return relative to the affairs of the Edison Phonograph Company must be made to the State Board of Assessors on or before the first Tuesday of May (7th instant). I do not see that we can do anything to avoid the tax, and if you will kindly send the form enclosed with my letter to you under date 11th April, 1889, to the Laboratory, I will have it filled out and forwarded to the proper parties.

Yours very truly,

May 8, 1889.

D. H. Bates, Esq.,

The Electrical Accumulator Co.,

44 Broadway, New York.

Dear Sir:-

Mr. Edison asks me to say in reply to your letter of 2d instant, that he will be pleased to have yourself and friends visit the Laboratory on Tuesday next, May 7th. Our Mr. Kennelly will show you around and do what he can to make your visit interesting.

Yours very truly,

Private Secretary.

May 4, 1889.

Dear Mr. Tate,-

I enclose herewith Mr. Edison's notes in regard to the Toy Phonograph business, which you telephoned for to-day. I also enclose for your information copy of Mr. Edison's affidavit, which I forwarded to-day to the Department State Board of Assessors, Trenton, N. J., together with RETURN, relative to the affairs of the Edison Phonograph Co. Mr. Lewis dictated the affidavit. Eaton & Lewis' letter (also enclosed) contains their views in regard to this matter.

I telegraphed you to-day as follows: "January 18th. Maguire," which means that the articles re Tomlinson and Gilliland appeared in the N. Y. papers on that date. My recollection is that the EVENING SUN article was printed in their issue of 17th January, and all the morning papers had it the next day. I send you clipping from the "N. Y. Herald" to verify date.

Just at present the Laboratory is crowded with Y. M. C. A. delegates, and things are in more or less confusion.

I will mail this letter in the "Special Boston" box at the Grand Central Depot, to insure its quick delivery.

Yours respectfully,

May 6, 1889.

Prof. Wm. D. Marks,

909 Sansom Street,

Philadelphia, Pa.

Dear Sir:-

Mr. Edison has made the following note on your letter of 3d instant re storage stations:-

"In the present state of the art, the loss in passing through the battery, the depreciation and the interest on the investment in batteries, would more than pay 15 per cent on the stations, which would render them unnecessary. Taking interest, depreciation and loss as data, I have never in any case been able to figure out a single instance where direct system wouldn't beat the best storage, assuming storage was as good as claimed."

Yours truly,

Private Secretary.

May 4, 1889.

Prof. Wm. D. Marks,
Philadelphia, Pa.

Dear Sir:-

I beg to confirm the following telegram received from you to-day:-

"Would like a prompt reply to my letter regarding storage station if possible. Wm. D. Marks."

Yours truly,

Fred U. Adams

May 6, 1889.

Charles A. Cheever, Esq.,

257 Fifth Avenue,

New York.

Dear Sir:-

Mr. Edison has asked me to thank you for the tickets of admission to the building of the Metropolitan Phonograph Co. for April 30th and May 1st, to view the Centennial parades, which you kindly sent him. Mr. Edison was unable to avail himself of your kindness in this matter, having previously arranged to view the procession elsewhere.

Yours very truly,

A. R. Ed.

Private Secretary.

May 6, 1889.

E. H. Johnson, Esq.,

Edison Electric Light Co.,

New York City.

My Dear Sir:-

Mr. Edison desired me to ask you to kindly return to the Laboratory the VOCAL ENGINE which you have. He wants to send it to Paris, to be exhibited at the Exposition there with his other inventions. Please give this your prompt attention, and oblige

Yours truly,

Private Secretary.

Mar. 6, 1889.

Edison Phonograph Works,

Orange, N. J.

Dear Sirs:-

Mr. Spencer writes, requesting us to hurry up the Military Phonographs and forward them to Paris as soon as possible. He also wants you to send him a lot of wax cylinders for taking records, and half a dozen flexible ear tubes. Kindly give this your attention.

Yours truly,

Thos. A. Edison

M.

May 7, 1889.

John C. Tomlinson, Esq.,

New York City.

Dear Sir:-

Please deliver to Major S. B. Eaton the contract between Messrs. Briggs and Jacques and myself; also contract between myself and Col. George E. Gouraud.

Thos A Edison

May 7, 1889.

Major S. B. Eaton,

120 Broadway, New York.

My Dear Sir:-

Referring to your telephone message of this morning, I send you herewith an order on Mr. Tomlinson, signed by Mr. Edison, asking him to deliver to you contract between Messrs. Briggs and Jacques and Mr. Edison; also contract between Mr. Edison and Col. Geo. E. Gouraud.

Yours truly,

A. Ketchum

Private Secretary.

May 7, 1880.

Francis R. Upton, Esq.,

Edison Lamp Company,

Harrison, N. J.

My Dear Sir:-

With reference to the material for Mr. Hamner, of which you dictated a memorandum when at the Laboratory the other day, I beg to advise you as follows:-

EDISON-SIMS TORPEDO. The writer has spoken about this to Mr. Insull, who had already consulted Mr. Sims regarding the desirability of sending a torpedo to the Paris Exposition. Mr. Insull informs me that Sims has decided not to send a torpedo to Paris.

EDISON PHOTOGRAPHS. Mr. Dickson has taken a memorandum to send Mr. Hamner three extra photographs of Mr. Edison as soon as possible.

LAMP CONDENSERS. Mr. Wurth is at work on the six extra lamp condensers, and expects to have them ready the latter part of this week.

N. Y. O.

-4-

MEGAPHONE TUBES.	Mr. has informed that the flexible gas tubes used in connection with the phonograph will deliver for the megaphone, and a number of these will be sent to Paris.
VOCAL EXERCISE.	I have written Mr. Johnson to review the vocal exercise which he has to the Industry.
MILITARY PHONOGRAPHS.	I have written the Phonograph Works, asking them to hurry up the Military phonographs, and have also ordered a lot of blank phonograms to be sent Mr. Hamer.
BLANK CYLINDERS.	
R E C O R D S .	Our Mr. Wangeman informs us that no musical records go forward to Mr. Hamer by next Saturday's steamer, but he has already received instructions from Mr. Edison to send to Paris every two days, during the continuance of the Exhibition, a supply of records of various kinds.

We received this morning a memorandum from the Lamp Department, under date 6th instant, containing an extract from a letter of Mr. Hamer, relative to additional material which he desires forwarded to Paris. This is also having our attention, and you will be advised when the articles mentioned therein are shipped.

Yours truly,

May 7, 1889.

Wayne H. Lewis, Esq.,

Messrs. Eaton & Lewis,

120 Broadway, New York.

My Dear Sir:-

I have your letter of 6th instant, asking for copy of agreement under which Mr. Edison held stock of the Edison Phonograph Co. at the time of the sale to Lippincott.

The document that you want is the final agreement which was made prior to the sale to Lippincott, and of which we have no copy in our files. Mr. Wm. S. Parry will, however, be able to furnish you with this agreement, and I have to-day written him, asking that he place a copy of the same in your hands at once.

Yours very truly,

Private Sec'y.

May 7, 1888.

Wm. H. Perry, Esq.,

Consolidated Stock & Petroleum Exchange,

60 Broadway, New York.

My Dear Sir:-

I have this morning received a letter from Mr. E. H. Lewis, of Messrs. Paton & Lewis, asking for a copy of the agreement under which Mr. Edison held stock of the Edison Phonograph Co. at the time of the sale to Lippincott.

The document which Mr. Lewis wants is the pool agreement which was made prior to the sale to Lippincott, and of which we have no copy in our files. I have replied to Mr. Lewis's letter, stating that you would be able to furnish him with a copy of this contract, and would ask you to put him in possession of the same at the earliest possible moment, as it is important that he should have it at once. Please give this your prompt attention.

Yours very truly,

Private Secretary.

May 7, 1888.

Col. George H. Gouraud,
Little Menlo, Upper Norwood, Surrey,
England.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

GOURAUD, NORWOOD. May 7th, 1888.

"Ready to ship phonographs in practical commercial form for sale and use commercially in such quantities as you require. Am impatient to get your orders.

Edison."

Yours truly,

Thos A. Edison

May 7, 1880.

Mr. Philip S. Dyer,

Rue Gay 43, Antwerp,

Belgium.

My Dear Sir:-

I beg to confirm the following cablegram sent you today:-

DYER, ANTWERP. May 7, 1880.

"Well believe our Patent Office record shows exclusive license to Roosevelt, who transferred to Leclanche Battery Company. Get explanation. Edison."

Yours truly,

May 7, 1889.

Dear Mr. Lippincott,-

I have your letter of 6th instant, enclosing a communication which you received from Milwaukee, relative to the phonograph. I have handed the latter to Mr. Batchelor, who will reply to it in detail. Meanwhile I desire to say:

1st. The present battery is temporary.
2nd. We are getting ready to turn out good ones.
3rd. D i t t o Single Cylinders.

I suppose you remember a long time ago I told you that to make a success, it would be necessary to learn experts. The phonographs are being shipped all over, and to parties who know nothing about the late devices. Several paragraphs in the Wisconsin letter show me that the writer doesn't understand the machine. No one but the Almighty can tell a man how to work a machine by mail. You will have lots of this for several months to come, and instead of being an immediate success, it will take time. About $10,000 spent by the North Am. Phonograph Co. in experts would have saved $50,000, and made a success. I have brought out

too many things in the last twenty years not to know that on the start, experts are everything.

Yours very truly,

Thos. A. Edison
M.

James H. Lippincott, Esq.,
160 Broadway, New York.

May 7, 1889.

NOTES FOR MR. BATCHELOR in replying to attached letter from Milwaukee, dictated by Mr. Edison.

The battery now sent out with the phonograph is only temporary. The amount of work necessary to get the phonograph out has been stupendous, and we had no time to fool away on getting a proper battery; hence we were compelled to send out an ordinary type of battery, which we know is not of much value. Your people should I think be notified that the battery is only a temporary makeshift, to permit them to get into business. I am now putting up a building, and making the machinery, to turn out a proper battery for the phonograph. This battery is about twice the size of the present cell, and instead of lasting ten hours - or a couple of days in ordinary practice - it will last 30 days, and by renewing the fluid will last 20 days longer. In other words, it will give fifty days good ordinary service, and the renewal process is very much simpler than with the present battery.

Regarding the warping of thick cylinders, I wish to say that the thick cylinders do not warp. The error comes from the fact that the inside of the cylinder gets dirty from wax and other things, and the thread ends becoming loose, produces an eccentricity, apparently, but not real. If the cylinders are kept properly cleaned inside, they will not be eccentric. I might say in respect of phonograph blanks that we have had to pay more attention to the phonograph than the blanks. We fully appreciate the fact the the Company should be supplied as soon as possible

with single record blanks, and we are getting everything ready to turn them out in large quantities, and if your people will exercise a little more patience, every complaint and defect will be remedied. We are well aware that there are defects in the phonograph, and we are striving to eradicate them, and to do the best for all concerned, as rapidly as human flesh can stand it.

The class of complaints that we would like to get, would be not generalities, such as the battery is not good and cylinders are defective - facts which we know already - but mechanical and little defects in the mechanism of the phonograph. These are defects which we cannot find out ourselves, and which practice alone will bring out. These are the kind of complaints that we are anxious to get hold of.

The following are my answers to the questions asked in the Milwaukee letter:-

(1) The battery which is being sent out at present is only a temporary one.

(2) One charge of the battery, as per directions, should run the phonograph up to speed for 12 consecutive hours.

(3) Battery does not need to be given a chance to recuperate. If the solution has been made and used as directed, it will run 12 hours in the aggregate, whether run continuously or otherwise.

(4) We have been to work on a new battery, and have got it perfect, and are getting ready the apparatus for manufacturing it. The battery will last 40 days, 4 hours a day, and on second renewal, 20 days, 4 hours per day. The battery retains nearly its full strength up to the last hour.

(5) Will not discuss this question re present battery.

(6) No No No

(7) No No No

(8) Implies that the battery will fail &c. &c., and suggests trouble attachment. This is entirely unnecessary, as with a proper battery the phonograph will not give out more than once in a year. The parties remark that three glasses from the recorder and reproducer were broken in shipping the machines, and asks if you will please send him three more. I suggest in this connection that it is a great mistake in the case of a recorder and reproducer to order broken parts, and have the parties, who do not understand the little fine points put them in. The proper way to do when the glass of a transmitter or receiver is broken, is to put it in a small box and mail it to us, when we will return it in good order; otherwise through carelessness &c., half of transmitters being put together badly, will give very poor results. They ask for two spectacles of the latest style phonograph to place upon two old machines. This cannot be done. I have understood that the old phonographs should all be recalled, and after they are recalled we can fix them ourselves and send them out as new phonographs.

(9) We shall be able to ship some of these single record cylinders in a couple of weeks.

(10) With single record cylinders it will never be necessary to set the reproducer, therefore it is not necessary to raise the jig-back.

(11) The recorder and reproducer adjusting screws; in adjusting these you will never cut the record, providing you do not leave more than one record on the part of the cylinder and forget to turn it off, or if the drum of phonograph is kept so dirty and the interior of the cylinder so dirty, that it runs it badly. A properly worked phonograph will never have its record cut. We understand perfectly that these machines are to go into the hands of "green horns" ultimately, and we would also like to call your attention to the fact that even the parties in Milwaukee are "GREEN HORNS," and they are just as green as the public. After a while, of course, they will become EXPERTS. I wish to say that I cannot for the life of me understand how these Milwaukee parties can do as well as

they have done with the new phonographs, without receiving some explanation,

(12) It has been the habit to run the cylinders at 150 for music. Hereafter, all music will be taken at not higher than 125 revolutions. The amount of words that can be recorded on present cylinder, depends on the speed. If the Milwaukee people will slow their phonograph down to 75 or 80, they will find their talking just as good, and they can get double the number of words on the cylinder.

Replying to the remarks on the "annex" to the letter, I would say that we will not discuss the battery; that has been explained. He says that the utmost care is required not to cut the record out. There must be something radically wrong with the Milwaukee parties, because every phonograph sent out from the factory is so adjusted that if a customer fails to trim down the latter half of the cylinder, the adjustment is such that it will turn that off without cutting records. In addition to this, it will not only permit them to turn off half the cylinder, but it will allow a very considerable eccentricity in the cylinder. He makes a statement and says, "Suppose he sets the spectacle down a little hard." Now, allow me to state that an expert teaching an outsider - if he taught him properly - with the universal joint screw at hand, there is no possible way he could set it down hard, as stated. The little dent is not necessary to be made, for the reason that if the party is told that when he sets it down to be careful and turn the cylinder tight &c., the dent is prevented from being made.

I think I will stop here. I could go on for a week answering this kind of a letter, but it would be useless. The letter is simply the judgment of a man who does not know how to work the machine. I should advise the Wisconsin Phonograph Co., if they want to work the phonograph properly, to send on a man to do so.

Thos. A. Edison.

M.

May 7th 1889

Saml. Insull Esq
19 Dey Street
New York

Dear Sir

I beg to acknowledge receipt of your favor of the 6th inst. enclosing check from Mr J. H. Lippincott for $25000.00/100 in favor of the Edison Phonograph Works.

I had the same endorsed by Mr Edison as President, and deposited same in the Orange National Bank.

Yours Truly
John F. Randolph.

May 8, 1880.

Eugene H. Lewis, Esq.,

Messrs. Eaton & Lewis,

New York City.

Dear Sir:-

In accordance with your request, I send you by bearer minute book of the Edison Phonograph Company; also an order on Mr. Tomlinson, asking him to deliver to you the pool agreement which was entered into by the stockholders of the Edison Phonograph Co.

Yours truly,

A.O. Tate

Private Secretary.

May 8, 1880.

John G. Tomlinson, Esq.,

New York City.

Dear Sir:-

Please deliver to Mr. Eugene H. Lewis the agreement which was entered into by the stockholders of the Edison Phonograph Company, with relation to the sale of stock. This document was usually referred to as the "pool agreement."

Yours C. T. Cheever

May 8, 1889.

Major N. S. Kahn,

1140 Broadway, New York.

My Dear Sir:-

I am in receipt of a letter, under date 6th instant, from Mr. Insull, enclosing a communication from yourself addressed to Mr. Edison, relative to Col. Gourand's phonograph contracts.

In the draft of letter which you suggest Mr. Edison should send to Col. Gourand, you mention two contracts, whereas Mr. Edison has only one contract with Gourand for exploiting the phonograph, which applies to all of his territory. There were two contracts drawn up, at Gourand's request, one of which applied to Great Britain and Ireland, and the other to the balance of his territory. These latter, however, were never executed, and reference should not, therefore, be made to them in the proposed communication from Mr. Edison.

I cabled Gourand yesterday, as outlined in your letter, and if you will send me another draft of letter, conforming to the

S. H. M. WM.

above facts, I will submit it to Mr. Edison, and if he approves of same, have him sign it, when I will mail it to Gourand with all possible despatch.

Yours very truly,

Private Secretary.

May 9, 1889.

F. S. Gorton, Esq.,

The Chicago Edison Co.,

Chicago, Ills.

Dear Sir:-

Mr. Edison has made the following note on your letter of 23d ultimo, relative to test on lamps made by the C. B. & Q. R'y Co.:-

'Gorton! Just wait a little. If I get a chance there will be some fun. E.'

Yours truly,

Private Secretary.

May 9, 1889.

Mr. Wm. H. Schlitz,

12 St. Paul Street,

Baltimore, Md.

Dear Sir:-

Mr. Edison says in reply to your letter of 22d ultimo, that a good water motor, with governor, would answer for the phonograph. The battery which is being sent out at present with the machine is only a temporary one, pending the completion of the regular phonograph battery, which is absolutely perfect and will give entire satisfaction.

Yours truly,

Private Secretary,

May 9, 1880.

Mr. B. F. Horret,

434 Franklin St.,

Reading, Pa.

Dear Sir:-

Mr. Edison says in reply to your letter of 22d ultimo, relative to burning pulverized coke into blocks, that ten per cent of wood tar if baked very slowly up to a red heat should work.

Yours truly,

A. Tate,

Private Secretary.

May 9, 89.

Grosvenor P. Lowrey, Esq.,

New York.

Dear Sir:-

Mr. Edison has received your letter of 8th instant, and will be glad to see yourself and Mr. Thurston to-morrow (Friday).

Yours truly,

Private Secretary.

May 9, 1889.

Daniel Weld, Esq.,

95 Milk St., Boston,

Mass.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Absolutely necessary that meeting should be called for Monday afternoon three o'clock. Advise me at once if Jacques will not be able to attend, so I can see him Monday morning. A. O. T."

Yours truly,

A. O. Tate

May 10, 1889.

Francis R. Upton, Esq.,

Edison Lamp Co.,

Harrison, N. J.

My Dear Sir:-

Here is another letter from Armstrong, Kramer & Co., in regard to advertising in the Official Gazette of the Paris Exposition. The advertisement which they suggest I do not like. As the display which we are making at Paris goes before the world as Edison's personal exhibit, the less reference he makes to himself in the Catalogue, the better will his taste appear. How would it do to simply enlarge his autograph and put it across the sheet, in the way these people have written the name of Edison?

Yours very truly,

Private Sec'y.

May 9. 9

Messrs Drexel Morgan & Co.
New York.

Dear Sirs — With reference to the stock of the Edison Light Co which you hold as collateral for a loan to me, I shall be glad if you will deposit this stock with your bankers as trustees under the Circular of the General Edison Electric Co. dated April 28th 1889, and take the Trust Certificates issued in Exchange as collateral in place of the Edison Light Co. above referred to —

Yours truly

May 10, 1889.

Col. George R. Gouraud,

Little Manlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegram sent you today:-

GOURAUD, NORWOOD. May 10, 1889.

"Can I now exhibit in France inventions covered by Case Ninety without endangering patents of Edison."

Yours truly,

T. A. Edison

May 10, 1889.

A. S. Dick, Esq.,

c/o Messrs. Brown, Shipley & Co.,

London, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

Edison: Paris, May 7, 1889.

"Important to know decision on contract. Answer. Dick."

Edison: Paris, May 9, 1889.

"If not prepared to decide regarding contract advise me immediately. Am ready to proceed; must decide on plan Answer Hotel de Castiglione. DICK."

Dick,
Hotel de Castiglione, Paris. Orange, May 9th 89.

"Can add nothing to instructions already given you. Will advise further early as possible. Edison."

Yours truly,

Edison

May 10, 1880.

Dear Mr. Room,-

I regret very much to say, in reply to your letter of 4th instant, that just at present we cannot receive your class at the Laboratory. Mr. Edison is conducting a lot of experiments in the Lecture Room, which is the only reception room we have, and the only place available for an exhibition of the phonograph, which I presume is the chief object of attraction, and until these are completed I will be unable to make an appointment for your pupils. Just as soon as it is practicable, however, I will advise you.

Yours very truly,

Private Secretary.

Geo. G. Room, Esq.,

Newark, N. J.

May 10, 1889.

A. R. Angier, Esq.,

P. O. Box 4327, Boston,

Mass.

Dear Sir:-

In reply to your letter of 2d instant, I beg to say that the statements made at the "Medium's Meeting" of Spiritualists have absolutely no foundation in fact. Mr. Edison is not a spiritualist, and has no sympathy with the movement.

Yours very truly,

Private Sec'y.

May 10, 1889.

H. Vila, Esq.,
No. 54 Rue Truffant,
Paris, France.

Dear Sir:-

In reply to your letter of 23d ultimo, I beg to say it would give Mr. Edison much pleasure to assist you in the work which you have undertaken, in furnishing you with a biographical sketch of himself, together with historical and descriptive accounts of all his inventions, had he the time at his disposal to devote to this work. It is, however, quite impracticable for him to give any attention to anything outside of his experiments, which keep him employed night and day. At the Paris Exposition, the Edison exhibit will embody all of Mr. Edison's inventions, from which a descriptive account could readily be obtained, and you could also obtain from this source an historical account of the same. Mr. Edison asks me to express to you his appreciation of your interest in his work, as indicated by your letter.

I beg to remain, yours very truly,

Private Secretary.

May 10, 1889.

T. C. Sharp, Esq., Sec'y. & Manager,
The Electrical & Industrial Exhibition 1889,
B i r m i n g h a m , England.

Dear Sir:-

Mr. Edison has received your letter of 25th ultimo, in regard to exhibiting the phonograph at the Birmingham Electrical and Industrial Exhibition, to which end we have already taken steps by communicating with Col. Gouraud, Mr. Edison's European agent.

Mr. Edison asks me to say in relation to forwarding a case of exhibits that he has already sent every available exhibit to Paris, and fears that he will be unable to comply with this latter request.

Yours very truly,

Private Secretary.

May 10, 88.

Director,
Standardizing Bureau, Edison Electric Light Co.,
New York City.

Dear Sir:-

Please advance six (6) Special Meters, with all possible speed. I desire these for shipment to Paris, and desire to forward them at the earliest possible moment.

Yours truly,

Thos. A. Edison

May 10, 89.

Messrs. Bergmann & Co.,

New York City.

Dear Sirs:-

Please advance six (6) Special Meters, with all possible speed. I require these for shipment to Paris, and desire to forward them at the earliest possible moment.

Yours truly,

Thos. A. Edison

Mr. Albert Scheible,

271 East State St.,

Ithaca, N. Y.

May 10, 89.

Dear Sir:-

In reply to your letter of 29th ultimo, I BE to say that Mr. Rickenmeyer's apparatus is a magneto electric induction apparatus, while Mr. Edison's is a purely magnetic arrangement. Mr. Edison has used this magnetic bridge for the detection of flaws in iron, and it is also useful for determining the best iron for dynamos and motors. In fact, its use is, technically speaking, to compare the permeability of iron with known standards.

Yours very truly,

Private Secretary.

May 11, 89.

Edison Electric Light Co.,

New York City.

Dear Sirs:-

I hand you herewith bills for experiments conducted at this Laboratory, on your behalf, amounting to $4,458.82, for which amount I will be glad to receive your check at your early convenience.

Yours very truly,

T. A. Edison

May 11, 1880.

The Edison Machine Works,

John Kreusi, Esq., Ass't. Gen'l. Manager,

Schenectady, N. Y.

Dear Sir:-

We send you to-day several samples of fire proof insulated wire. These wires stand test when heated by the current, but some of them burn when held in the flame of a Bunsen burner. They have been kept at a heat of 210° F. for 35 days, excepting the pure white ones. Nos. 581 and 583 are made by squirting fire proof compound on wire previously soaked in a non-fireproof compound. Regarding the fireproof compound simply as a protection against fire, and trusting to previous treatment for insulation, it seems to us that the wire can be made to serve.

Yours very truly,

LABORATORY OF THOS. A. EDISON.

N.

May 13, 89.

Mr. Chas. A. Bloomfield,
87 Bank St., New York.

Dear Sir:-

Mr. Edison says in reply to your letter of 8th inst. that he will not sell the bar at the price which you offer.

Yours truly,

Private Secretary.

May 13, 89.

Mr. W. J. Jenks,

Edison Electric Light Co.,

New York.

Dear Sir:-

Mr. Edison says in reply to your letter of 8th inst. that he already has full sets of the journals which you mention.

Yours truly,

Private Secretary.

May 13, 1880.

Messrs. Eaton & Lewis,
New York City.

Dear Sirs:-

I beg to acknowledge receipt of yours of 10th inst., to Mr. Edison, enclosing statement of the latter, in the form of an affidavit not sworn to, re Gilliland and Tomlinson suit.

Yours truly,

Private Secretary.

S. S. Eaton, Esq.,
130 Broadway, New York.

May 14, 80.

Dear Sir:-

I beg to acknowledge receipt of your letter of 11th instant, to Mr. Edison, enclosing copy of the Bill of Complaint in the Gilliland and Tomlinson matter.

Yours truly,

Private Secretary.

May 13, 89.

Mr. H. F. Searle,

233 Canal Street,

New York.

Dear Sir:-

Mr. Edison is much obliged for your letter of 8th instant, and for the phonogram box which you kindly sent him. Mr. Edison has tried this form of box, in twelve different varieties, and the result has not been satisfactory. Boxes similar to yours were sent to England in the usual way and returned here, and in every case the phonograms were broken.

Yours truly,

Private Secretary.

May 13, 1889.

M. C. Lawton, Esq.,

308 California St.,

San Francisco, Cal.

Dear Sir:-

Mr. Edison has read your letter of 6th instant, and says in reply that, Bismuth can never come into great use at one dollar quotations, for the reason that it can be bought in Europe, in 1,000 lb. lots, at $1.25. If the price could be reduced to fifty cents, Mr. Edison thinks that it would permit Bismuth to be used quite extensively in the arts.

Yours truly,

Private Secretary.

May 13, 1889.

Edwin H. Fox, Esq.,
147 Nassau Street,
New York.

Dear Sir:-

Mr. Edison has read your letter under date 11th inst., relative to proposed article on the Edison Exhibits at the Paris Exposition, and in reply asks me to state that all the data which you would require in the preparation of this article has been sent to Paris. He says, however, that if you will come over to the Laboratory we may be able to help you out in the matter, although it would be somewhat difficult, the statistics &c. not being available for reference, and in furnishing you with the necessary information we would have to rely, more or less, on our memory. I might also add that Mr. Edison's Private Secretary, Mr. Tate, is at present in Boston, and is not expected to return to Orange until Thursday next. I would, therefore, suggest that you defer your visit until the latter's return, as he could doubtless render you much assistance in your work.

Yours truly,

Stenographer.

Telegram.

John Kirkintine,
Philadelphia, Pa.

May 13, 1880.

All right' Come over to Orange.

T. A. Edison.

May 14, 1880.

Col. Geo. F. Gourand,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

GOURAND, NORWOOD. May 14, 1880.

"Cable date when Australian applications

Cage ninety were mailed. EDISON."

Yours truly,

Thos. A. Edison

M.

May 14, 86.

Samuel Insull, Esq.,

10 Bay Street,

New York City.

Dear Sir:-

I beg to acknowledge receipt of Certificate No. 1,071, for 175 shares of the Capital Stock of the Edison Ore Milling Company, Limited, the same having been enclosed with your letter of 14th instant.

Yours truly,

A. E. Tate

M.

May 16th 1899

Messrs McGuire Bros.
Orange N.J.

Dear Sirs

Please send us some information regarding the enclosed bill. We know nothing whatever about it here, cant you send order number.

Yours truly
Thos. A. Edison
N.J.M.

May 16th/99

Messrs Dyer & Bailey
New York
Gentlemen.

I found an error in your bill of April 2nd/99 the total should be $1643.10 not $1642.00 as you make it, so have changed it to that figure

Yours &c.
John J. Randolph.
Bookkeeper.

May 13, 1889.

Mr. Percy W. Allen,
330 N. 41st Street,
West Philadelphia, Pa.

Dear Sir:-

Mr. Edison's time is entirely occupied with his own inventions, and it is impracticable for him to consider the matter referred to in your letter of 11th instant.

Yours truly,

Private Secretary.

May 14, 89.

Col. Geo. E. Gouraud,
Little Menlo, Upper Norwood,
Surrey, England.

Dear Sir:-

I beg to confirm receipt of the following cablegram received from you yesterday:-

"Specifications mail Australia tenth May."

Yours truly,

418 1/2

Ma 4.15. 9.

Messrs Drexel Morgan & Co.

Dear Sirs The Stock of the Edison Lamp Co. cannot be transferred except by permission of the Majority holdings of the Company - as you are aware, I hold the controlling interest in this Company - and thereby give my permission to the transfer of the Stock of the Edison Lamp Co. for the purpose of the Consolidation as outlined in the Circular dated April 26th 1889, addressed to the Stockholders of the Edison Electric Light Co. by the Edison General Electric Coy.

Yours truly

Thos A Edison

May 16th 9

Saml. Insull Esq
19 Dey Street,
New York

Dear Sir

As per your request I beg to enclose you herewith seven notes for $5000. each drawn by the Edison Phonograph Works in favor of Mr Edison, with no date and endorsed by him.

Yours truly
John R. Randolph.

May 10, 1889.

To Whom It May Concern.

This is to certify that Mr. D. K. Mullica has been employed at this Laboratory, as an Engineer, in charge of engines and an electric lighting plant, since October 1887. He has performed his work in a thoroughly competent manner, and I take pleasure in recommending him to any one requiring the services of a competent Engineer.

Thos A Edison

May 16, 1889.

Mr. W. J. Hamor,

Edison Exhibit, Machinery Palace, Exposition,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

"Will give you twenty-four phonographs with attachments and extras whereby six listen at once. Better give French Edison Company six of these. Also will ship two hundred musical cylinders and follow with one hundred every week very fine - phonograph go Saturday.

E d i s o n."

Yours truly,

May 16, 89.

Charles Batchelor, Esq.,

Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

In reply to your memorandum of 15th instant, relative to musical cylinders, Mr. Edison says that, we are making about fifty (50) of these per day, and are rigging up to furnish 300 daily. Please send orders (written) for musical cylinders to Laboratory, when we will book them, and fill same by sending them to Phono. Co., making charges, so that we will not be out of pocket.

Yours truly,

Private Secretary.

May 16, 1889.

Col. Geo. E. Gouraud,
Little Menlo, Upper Norwood,
Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

NORIDE, N. Y. May 9, 1889.

"Must first see commercial machine and price. If both satisfactory large orders; express sample; cable departure; wrote Saturday."

GOURAUD, NORWOOD. May 16, 1889.

"Can't give price until three thousand made. However we bill them at forty-five dollars to Company here for first thousand, forty for next, and probably thirty-five for next thousand, subject to final settlement by books. Ultimate price will be lower as we have stopped making changes and are cheapening work. We have up to to-day delivered seven hundred. They are working satisfactorily in hands public; send order for what you want now, whether one a week or one hundred. EDISON."

Yours truly,

May 16, 1889.

George B. Gaston, Esq.,
Michigan Phonograph Co.,
Detroit, Mich.

Dear Sir:-

Mr. Edison has read your letter of 8th instant.

In reply he desires me to say that, we shall soon be ready to fill your order for motors to be run in connection with light current.

In regard to furnishing you with head pieces with ear caps, as soon as we have the holders supplied with phonographs, we will be able to furnish a number of accessories.

In regard to the adjustment of the phonograph, the second thousand machines will have automatic adjustments.

Mr. Edison will be obliged if you keep him posted on defects in details.

Yours truly,

Private Secretary.

May 17, 1889.

Philip S. Dyer, Esq., Agent,

Rue Osy 43, Antwerp,

Belgium,

My Dear Sir:-

I am going to commence very shortly in this country the manufacture of Toy Phonograph movements, for sale in foreign countries, and shall in all probability wish to establish a small factory in Antwerp, or in some place where Customs will not interfere and where rent is reasonable and labor cheap, for the purpose of assembling the parts of these movements sent from my American factory. Also, for the manufacture of some of the parts, more especially the tin casing which encloses the movement and which I can make cheaper over there. This factory can consist of either one, two or three stories. I shall want from ten to fifteen thousand square feet of floor space, with boiler, and engine of 75 h. p., if you can happen to obtain these with the factory; if not, with space to erect them. The machinery and tools I shall send from here, and shall probably require you to run the business and

of the factory.

I also may wish to start a Lamp Factory there, and will require 50,000 square feet of floor space, and it will be very desirable if you could get these properties close together, or even right together. The suburbs of the city would answer, or a suburban town, or even a small town where good shipping facilities are available. I have not yet completed my arrangements for marketing the dolls in Europe, but this branch of the business will probably be placed in the hands of Mr. A. B. Dick, whom you have doubtless met during the past month, I having given him a letter of introduction to you when he sailed for Europe a few weeks ago.

I wish you would look around and obtain prices, and send me plans and data, stating the condition of the property, cost of repairs or alterations or improvements required, cost of coal, labor &c., and, in fact, every kind of data that you consider will be of interest to me in establishing these factories.

I shall be in Paris in August, when I can take more definite steps in this connection. In the meantime, I desire to obtain from you all information that you can give me, so as to pave the way as far as possible for a speedy decision when I arrive, unless, of course, I find it practicable to instruct you definitely before then.

Gilliland and Tomlinson are going to Europe with some men whom they hired out of my factory, to start a factory for dolls to

run in opposition to me. But I feel confident that I can "beat" them up on cheapness and a better doll, to say nothing of the new patents which I have covering methods and details of construction, without which it is impossible to make a first class talking doll.

Please lose no time in commencing your investigations, as outlined above.

Yours very truly,

Thos. A. Edison

May 17, 1889.

Col. George Edward Gourand,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

Referring to my contract with you for exploiting my phonograph inventions in all parts of the world except the United States, Canada and the Empires of China and Japan, and referring more particularly to the fourth and sixth sections thereof, and for the purpose of avoiding any future misunderstanding as regards our several rights and obligations under that contract, please take notice that I am ready to ship to you the articles covered by the said contract, for sale and use commercially, in a practical and commercial form, in quantities to meet your requirements as indicated by your firm orders, and that I have sent you on the 7th instant the following cablegram to the above effect, which I now confirm:-

"Ready to ship phonographs in
practical commercial form for
sale and use commercially in
much quantities as you require.
Am impatient to get your orders.
E d i s o n."

Yours truly,

Thos. A. Edison

May 17, 89.

My Dear Insull,-

Here is another letter from Mr. Frazar, in regard to the invasion of China and Japan by the Berlin Edison Co. This matter has been put aside for the last few months, awaiting until affairs had developed to such an extent that you could approach Mr. Villard and obtain his assistance. What Frazar objects to is, the use of Mr. Edison's name in China and Japan by the Berlin Company. He says he is not afraid of their competition if they compete under their own name, but he does object to their advertising themselves as Mr. Edison's agents.

Yours truly,

Private Secretary.

Samuel Insull, Esq.,
19 Dey St., New York.

May 17, 1889.

Prof. Wm. D. Marks,

Philadelphia, Pa.

My Dear Sir:-

I have received your letter of 8th instant, and beg to assure you that you have my sympathy in your endeavors to bring the Edison electric light prominently and permanently before the public of Philadelphia. I very much fear, however, that the method which you suggest would not accomplish your object, but would result in a very speedy destruction of your literature. My judgment may be biased by my modesty, but as I cannot give advice which is opposed to my convictions, and as my convictions in this case do not harmonize with your proposition, it is impossible for me to consistently give my consent.

Yours very truly,

May 17, 1880.

C. E. Chipnock, Esq.,

The Edison United Ltg. Co.,

New York.

Dear Sir:-

I enclose herewith a letter from Mr. Aug. Ledyard Smith, of Appleton, Wis., in regard to an electric lighting plant for Wells College, Aurora, N. Y. Mr. Edison suggests that you make a bid for this plant at absolute shop cost. He considers the case one which merits this action, and he will be very much obliged if you can see your way clear to carry out the suggestion.

Yours very truly,

Private Secretary.

May 17, 1880.

My Dear Mr. Smith,-

I have received your letter of 7th inst., in regard to an electric lighting plant for Wells College, Aurora, N. Y., and have written to the President of The Edison United M'f'g Co., making suggestions to him in relation to this plant, which, if carried out, as I believe they will be, will result in your realizing your wishes in that connection.

In regard to establishing communication with your family, I would suggest that you obtain three phonographs. The battery which goes with them will run the machine four hours a day for a month, during which time it requires no attention, and the process of renewal is very simple. By means of phonographs, you would be able not only to converse with your family, but to interchange musical selections of all kinds, and also to avail yourself of the musical records which in a short time will be supplied to all users of the phonograph, containing selections by the foremost musicians of the day. If you have the incandescent light in your office, or if any of your family are so situated that they can use the incandescent current, I could furnish you with machines wound for such a circuit, which would, of course, do away

with the use of batteries altogether; or if after further investigation you should prefer treadle phonographs, you can obtain those, although they are not as desirable for musical records as those run by the electric current, but equally as good as the latter for conversation.

Yours truly,

Amos Ladyard Smith, Esq.,

Appleton, Wis.

May 17, 1889.

G. W. Turner, Esq., Business Manager,

New York World,

New York City.

Dear Sir:-

Your letter of 4th instant to Mr. Edison has remained unanswered owing to my absence from Orange.

Mr. Edison has given instructions for a doll to be put in shape, which will be sent you as soon as ready, and he will be very glad if you will forward it to Mr. Pulitzer with his compliments.

Yours very truly

Private Secretary.

May 17, 1889.

Mr. Wm. E. Hibble,

Fort Myers, Fla.

Dear Sir:-

I have received your letter of 6th instant, and enclose herewith my check for $200, as requested. You can send on a list of material required for painting the house and the colors will be selected here as you suggest. Please make a separate bill for my premises.

Yours truly,

[illegible]

May 17, 1889.

John L. Butterfield, Esq., Manager,

Michigan Phonograph Company,

Detroit, Mich.

Dear Sir:-

I have received your letter of 13th inst., in regard to a communication which you have received from the North Am. Phonograph Co., in which you state that they claim that the battery is not a part of a complete motor phonograph. This is a question upon which I can express no opinion, for the reason that I have nothing whatever to do with the business methods of the North Am. Phonograph Co.. I may say for your information that I have given a great deal of attention to this battery question, and am getting out a cell which will last for a month or so, and which will be perfectly satisfactory in every respect. In this vicinity there are a number of private telegraph concerns which make a business of supplying battery power and keeping it in order. If any of the Phonograph Companies should find it desirable to adopt this policy, they will be able to put it into effect very readily, and could charge so much per 100 phonograph hours, the battery being

its own motor. I never intended that the first battery furnished with the phonograph machines should be adopted permanently, as it is simply a Grenet cell, and has all the defects of ordinary batteries.

Yours very truly,

May 17, 1889.

Dictionary Department, Century Company,

833 East 17th St., New York City.

Dear Sirs:-

Mr. Edison has received your letter of 15th instant and says in reply that the word GRAPHOPHONE was coined by some persons and applied to a phonograph of a different mechanical construction than his. They obtained the name by reversing the word PHONOGRAPH.

Yours truly,

Private Secretary.

May 16, 1889.

C. W. Owston, Esq., Manager,

Standard Oil Company,

Cleveland, Ohio.

Dear Sir:-

With reference to your letter of 11th instant, Mr. Edison says that, the motor which is used in connection with the phonograph is run by a new battery of his three months, four hours daily. The battery in question generates about 1/30 horse power, and Mr. Edison is of the opinion that a motor of the same type, with twelve cells, would give you all the air you require.

Yours truly,

Private Secretary.

Private

Orange N.J. May 17th 1887

Prof. R. H. Thurston,
Sibley College, Cornell University
Ithaca N.Y.

My dear Sir: I have conversed with Mr. Edison upon the subject of your personal letter to him under date of 14th inst. and as he has not time to explain his views fully to you himself, I take occasion at his request to communicate to you the impression I received as to his opinion.

You of course understand that Mr. Edison takes great interest in the work with which you are so closely identified, and that the formulation of any scheme he designs to facilitate in College

(2)

its scope, has his entire sympathy, and he also stands ready to render such assistance as he feels he can consistently extend. The case in question, however, is one which he believes should be laid before men who have no means of perpetuating their names except by the creation or endowment of an institution with their identification therewith, as Mr Edison represents the latest who have acquired their money easily — by which he means men who have amassed wealth without conferring at the same time any unusual or lasting benefit upon others. Many of them are really glad to have

(13)

pointed out to them a means by which they can succeed in attaching permanency to their names, and the present requirements of your College furnish a most desirable opportunity for some such person to take advantage of it.

Mr Edison feels that the pioneers are most laborers in the fields of electrical Science, by contributing to the world the result of their researches, and by spending their time and energy in clearing the way for those who follow, perform their whole duty, and that others should inherent themselves in, and provide for the propagation of the knowledge thus acquired.

(84)

So far as he is personally concerned all the recovery which he realizes from his successful experiments is at once absorbed by further experimentation — doubtless the most profitable investment that could be made of it for the benefit of mankind — and while he might have answered your letter by simply saying that he has not the means available to fall in practically with your ideas, his desire for the success of your undertaking has prompted him to make the suggestion which I have conveyed, believing that if you follow it up it will lead to the realization of

(P.S.)

Yours truly,

In regard to furnishing details of all his inventions, Mr Edison will give this consideration a little later on. At the present time the details of his experiments, excepting that of phonography, are in his laboratory in Menlo Park.

Yours,

Enclosure

Chas. Batchelor

Private Secretary

Weber May 18, 1889.

New York.

Send man to tune piano this afternoon sure.

Edison's Laboratory.

J. W. Chapman Esq
31 Nassau Street
New York

May 20th 9

Dear Sir.

Attached to your check for $ 19624.16/100 were three statements regarding notes sold for one, one of which read as follows:-
Note Edison Phonograph Works May 17. 3 Mos $5000. due Aug 23. 1889.

Please let me know if this note is due on Aug 23 - 1889 as you state or is it due August 20 - 1889. an early reply will greatly oblige

Yours truly
Thomas A. Edison.
A.

May 20, 88.

Messrs. Horts Brothers,

864 Broadway, New York.

Dear Sirs:-

In reference to your letter of 11th inst., I beg to inform you that Mrs. Edison does not desire to take any further action at present in regard to additional floors at her house. She is very much obliged to you and desires me to thank you for the information which you have given her, and I will be obliged if you will advise me what disposition you desire made of the samples submitted.

Yours truly,

May 20, 1889.

My Dear Major Eaton:-

Here is a letter from the Editor of "American Notes and Queries," asking Mr. Edison to suggest a new word which would express the act of executing by electricity. Mr. Edison has made several suggestions, such as ampermort (which suggests death by the passage of amperes of current through the body), and dynamort (suggestive of dynamic death), and other words such as electromort (death by electricity). The trouble is that none of us here remember enough Latin to inspire confidence in the etymology of these coined words. Mr. Edison would like you to revise them.

Yours very truly,

Private Secretary.

Major S. B. Eaton,
140 Broadway, New York.

May 20, 1889.

Prof. Em. D. Marks,

Edison Electric Light Co.,

Philadelphia, Pa.

My Dear Sir:-

I take pleasure in sending you under separate cover one of my photographs, as a personal gift. You have, of course, interpreted my letter of 17th instant as meaning that I decline to permit the use of my portrait on your advertising pamphlets.

Yours very truly,

May 29, 1889.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

EDISON, N. Y.

May 18, 1889.

"Do you agree to arrangement with French Company or do you prefer to remain independent? See letter April 30th to Upton. HAMMER."

NEWARK, PARIS.

May 18, 1889.

"Sent long cable sixteenth. Did you get it? French Co. arrangement all right, but give them his phonographs, they paying experts. Edison."

EDISON, N. Y.

May 20, 1889.

"Cable received. French Company wants use only one. French Telephone Co. anxious to show in special building near Tower. Can make special arrangements. I advise it. HAMMER."

NEWARK, PARIS.

May 20, 1889.

"All right as to French Telephone Co.
Edison."

Yours truly,

May 21, 1898.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

Will you kindly send me blue prints of the brick work of the carbonizing furnaces that you use at East Newark, and much oblige

Yours truly,

Letterbook, LB-030

This letterbook covers the period May-June 1889. Most of the correspondence is by Edison and Alfred O. Tate. Many of the letters relate to the manufacture of the phonograph and talking doll and to the formation of phonograph sales agencies in the United States and abroad. Included are instructions for operating the phonograph and its battery and a draft agreement between Edison and the Edison Phonograph Toy Manufacturing Co. There are also letters pertaining to Edison's personal and financial affairs, including the purchase of property for his companies and the maintenance of his home and grounds at Fort Myers, Florida. Other documents deal with Edison's phonoplex system and his exhibit at the Paris Exposition. The book contains 500 numbered pages and an index. Approximately 40 percent of the book has been filmed.

May 21, 1889.

Col. George E. Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me.

GOURAUD, NORWOOD. May 10, 1889.

"Can I now exhibit in France inventions covered by Case Ninety without endangering patents. Edison."

EDISON, N. Y. May 10, 1889.

"Certainly not, nor under six weeks without risking Australia. You must send old spectacles if machines to be used meanwhile."

E D I S O N. May 17, 1889.

"Must decline ordering until see machine proposed. Last received proves unsatisfactory. Prefer waiting automatic to injuring otherwise splendid business."

Yours truly,

May 21, 1889.

Jesse H. Lippincott, Esq.,

160 Broadway, New York.

My Dear Sir:-

I understand that you are coming out to the Laboratory to see Mr. Edison. This note is to advise you that he left to-night for Pittsburgh. He may be back on Thursday, but I am not quite sure. Before you come out you had better telephone to the Laboratory and ascertain if he is here.

Yours truly,

A. O. Tate.

May 23, 1880.

Mr. W. J. Hammer,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegram received from you 30th instant:-

" Grand reception June third, architects, engineers, phonograph feature, send cylinders with Edison's voice. Hammer."

Yours truly,

May 21, 1889.

John I. Sabin, Esq.,

323 Pine Street,

San Francisco, Cal.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Go light on trendles. We have new battery, four sizes, last one, two, three and six months. Also motors wound for electric light circuits. You can run out a telephone wire and put sixty phonographs on one circuit, supplying current from small dynamo and gas engine, all made independent by resistances.

E d i s o n."

Yours truly,

May 27/9

My Dear Insull:

Herewith I enclose statement of Phonographs shipped to date by the Edison Phono. Works c/o the North Am. Phono. Co.

There have been 636 machines sent out amounting to $45 each to $28620.00

Sincerely yours

Samuel Insull

May 22, 1889.

Prof. Wm. D. Marks,

909 Sansom Street,

Philadelphia, Pa.

My Dear Sir:-

I have overlooked your letter of the 26th April, in regard to your resigning from the Electric Club. I hardly think it would be worth while for you to do this. We have discussed the matter among ourselves, and have decided it would be better to retain our membership. Perhaps some day, if we make an effort, we can alter the state of affairs now existing there.

Yours very truly,

May 22, 1880.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

I return herewith three notes for $2,500, $5,000, and $1,560.40, respectively, the two former being renewal notes in favor of the German Nat'l. Bank, and the latter in favor of the Consolidated Fruit Jar Co., the same having been enclosed with your letter of 20th instant. These have been signed and endorsed by Mr. Edison as desired.

Yours truly,

Private Secretary.

May 13/79

My dear Insull:

Inclosed is note of Phono. Co's under date Apl 20th for $4000. which I find is the only one endorsed by Mr Edison. It's just as well as the amt. is ample for my present requirements and we can re write the other Notes when they are discounted and extend date by matching.

I presume you have the proceeds of the Enclosed long ago

Yours

A. M. Tate

May 25/91

My Dear Driscoll:

Mr Villard writes Mr Edison under date yesterday "As I am going to the Pacific Coast next week, I am anxious to have a good long conference with you before my departure and would suggest that you meet me at my office on Monday next at 11 a.m. Kindly let me know whether I may expect you. I am will have him that we have him through a big fight, the vessel you know"

May 23, 1889.

Edwin M. Fox, Esq.,

Times Building,

New York

Dear Sir:-

I beg to confirm the following telegram rec'd. from you to-day:-

"Is Mr. Edison in Orange? Want to see him.

Important. Answer. E. M. Fox."

To which I replied as follows:-

"He is away. Expect him back to-morrow. A. O. T."

Yours truly,

Private Secretary.

May 23, 1889.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

On May 11th we sent you several samples of fire proof insulated wire, since which time we have heard nothing from you regarding same. Will you kindly let us know if you examined these samples, and if so, what you think of them?

Yours truly,

LABORATORY OF THOMAS A. EDISON.

By

May 23, 1889.

Chas. Batchelor, Esq.,

Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

I send you for your information copy of a telegram sent John I. Sabin, San Francisco, Cal., by Mr. Edison, and copy of the former's reply to same:-

May 21, 1889.

"No light on treadles. We have new battery, four sizes, last one, two, three and six months. Also motors wound for electric light circuits. You can run out a telephone wire and put sixty phonographs on one circuit, supplying current from small dynamo and gas engine, all made independent by resistances. E d i s o n."

T. A. Edison

May 21, 1889.

"Replying to telegram May 21st, we have orders for treadle phonographs. Please send what you can as soon as possible. JNO. I. SABIN."

Yours truly,

Private Secretary.

May 23, 1889.

Jno. I. Sabin, Esq.,

323 Pine Street,

San Francisco, Cal.

Dear Sir:-

I beg to confirm receipt of the following telegram rec'd. from you 22d instant:-

"Replying to telegram May 21st, we have orders for Wesdlo phonographs. Please send what you can as soon as possible. JNO. I. SABIN."

Yours truly,

May 24th. 1889

Messrs Drexel Morgan and Coy
Wall Street
New York

Dear Sirs:

I beg to enclose you a statement received from you dated January 16- 1889 showing a balance in my favor of $ 196 870. 13/100.

Please send me a statement of my account previous to the enclosed, and return both to me as soon as possible and greatly oblige

Yours truly
Thomas A. Edison

Private Secretary

May 24, 1889.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

Referring further to your memorandum of 6th instant, relative to material for Mr. Hammer, and particularly to Direct Current Transformer, and Multipolar Dynamo (new), mentioned therein. I beg to advise you that Mr. Edison has decided not to send these to Paris.

Yours very truly,

Private Secretary.

May 24, 1889.

Major S. B. Eaton,

120 Broadway, New York.

Dear Sir:-

I enclose herewith a memorandum of the various matters about which I have written you during the past few months, and which you were to take up as soon as you could find time.

I send you this memorandum to facilitate reference to the various subjects when you have an opportunity to take them up.

Yours very truly,

Private Secretary.

Memorandum

FOR MAJOR EATON OF MATTERS TO BE ATTENDED TO

February 21, 1889.	Regarding the assignment of 33⅓ of the Phonograph Works stock issued to Mr. Edison under agreement with Phono. Works, dated May 12th, 1888.
March 9, 1889.	Contract to be drawn covering Mr. Edison's arrangement with Frazar & Co., relative to sale of the phonograph in China and Japan.
March 28, 1889.	To look into the way stock of Phonograph Works has been issued, regarding the stamping of certificates &c. &c.

Edison to give license for four countries, covering all exist inventions and improvements pertaining to speaking dolls, and all future inventions and improvements made during next five (5) years, giving exclusive right to manufacture and sell and to license others to manufacture and sell, but not assignable, for any country, without consent in writing of Edison.

Simultaneously the company gives Edison a contract, substantially in form submitted granting exclusive right to manufacture for sale in foreign countries, for the life of the license referred to. Edison cannot assign this manufacturing contract except to a corporation in which he retains full voting control, & royalty of twenty percent (20%) of the shop price of movements to be paid Edison.

Edison to have one eighth (⅛) of

Edison Phono. Dep. Exh. 8

Jan 24/89

of the Capital Stock of
Edison. Co. and this propo-
sition maintained with
respect to any further increase
so long as Edison retains the
stock so issued to him.
Edison to have one representative
on New York Edison Board
so long as he can qualify.
Cash now in Company's
treasury not to be used to
settle or pay Gilliland
claim, and Edison's holding of
stock to be at least 40 %
greater than the number
of shares issued to Mr.
in order to settle their claim.
Before formal contract is
made with Edison, say
Phono Co. to submit a brief
copy of all agreements which
they have made with
reference to Fonoplex Counters.

May 28, 1889.

My Dear Mr. Frazar,-

I am in receipt of your letter of 23d inst., and enclose herewith copy of my reply to Mr. Danforth's letter.

With relation to supplying you with cost of phonographs, battery, treadle and phonograms, I regret that we cannot give you this information in time for the mail leaving on Monday. I think, however, that we will be able to advise you of these prices some time during the coming week.

In regard to the German Company, I am corresponding now upon this subject, and doing all that can be done at present to have it adjusted.

Yours very truly,

Private Secretary.

Everett Frazar, Esq.,
New York.

May 25, 1889.

A. W. Danforth, Esq., Chief Engineer,

Shanghai Cotton Cloth Mill Company,

S h a n g h a i , China.

My Dear Sir:-

I am much pleased to receive your letter of 16th ultimo, in regard to a contract which you have just closed with my representatives in China and Japan, Messrs. Frazar & Co., for an Edison incandescent electric light plant, to be used in your mill. Messrs. Frazar & Co. are fully supplied not only with figures as to the cost of installations, but with photographs, drawings and all other details pertaining to such work, and they will be very glad to furnish yourself and all others interested in the subject of electric lighting with complete information and particulars.

Yours very truly,

May 27, 89.

Messrs. Dyer & Seely,
New York.

Dear Sirs:-

I beg to refer to you the enclosed letter of 14th instant from Mr. Philip S. Dyer, relative to Lalande battery. What steps are you taking in regard to this matter?

Yours truly,

Private Secretary

May 27, 89.

Mr. William Lawrence Meeker,
The Mutual Life Ins. Co. of N. Y.,
Newark, N. J.

Dear Sir:-

Replying to your letter of 21st instant, Mr. Edison is not yet prepared to consider the question of life insurance.

Yours very truly,

Private Secretary.

May 28, 1889.

Samuel Insull, Esq.,

19 Dey Street, New York.

Dear Sir:-

I enclose herewith five notes of the Edison Phonograph Works, as follows:-

May 2, 1889	$5,000	Due August 4, 1889.
May 4, 1889	5,000	Due August 7, 1889.
May 6, 1889	5,000	Due August 9, 1889.
May 9, 1889	6,000	Due August 12, 1889.
May 28, 1889	6,000	Due August 31, 1889.

Yours very truly.

Please let me have proceeds of at least one of these this week

[illegible] 28,

[illegible]

[illegible]

[illegible] Souza has written me in relation to [illegible] me to write you again with reference [illegible].

[illegible] Souza for several years, and to my mind [illegible] Brazilian whom I have ever met. He has [illegible] very successfully in Brazil with Ameri- [illegible] particularly the Telephone, and I am confident [illegible] not find a better man to push the Phonograph in Brazil. [illegible] urge you therefore to make an arrangement with him, [illegible] very much surprised if such an arrangement does not re- [illegible] our mutual benefit.

Yours very truly,

Thos A Edison

May 28, 1889.

Mr. Philip S. Dyer,

Rue Coy 42, Antwerp,

Belgium.

My Dear Sir:-

I am enclosing herewith a letter addressed to Mr. A. H. Dick, care of yourself. This is a very important communication, and I shall be very much obliged if you will see that it is placed in Mr. Dick's hands at the earliest possible moment. The last time I addressed Mr. Dick, he was at the Hotel Castiglione, Paris. But presuming that he is moving from place to place, I have thought it best to send the letter above referred to care of yourself.

Yours very truly,

J. H. Edwards

May 27, 1889.

A. G. Dick, Esq.,
c/o Mr. Philip S. Dyer,
43 Rue Gay, Antwerp, Belgium.

My Dear Sir:-

As yet I am unable to instruct you definitely in regard to Toy Phonograph business, but expect to cable you my wishes soon. Meanwhile you can do nothing but accumulate statistics and general information, which it is quite important I should be in possession of so that I can form my plans intelligently. I wish you would be kind enough to write me immediately, outlining the whole commercial doll system as you have found it to exist, both as to France and the doll trade of any other countries with which you have made yourself familiar, quoting prices as far as you are able, and using care to omit no details of which you have knowledge. Perhaps the best way would be for you to assume that I am entirely ignorant of the whole business, and write me in conformity with that assumption. What I wish to avoid is the omission of any detail which might seem unimportant to you were you writing me under ordinary circumstances, as it may have some effect upon my plans which you could not foresee.

A. N. D. -2-

My machinery, which has an immediate capacity of two thousand movements per day, will be delivered in about three weeks. This output can be increased to three thousand daily as soon as the operatives become expert. You will, therefore, see that I have this end of the business well in hand. I want now to get a good grasp of the commercial end, and thus be fully equipped all around for quick action. So please lose no time in complying with my request.

Yours very truly,

Thos A Edison

May 28, 1889.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

I return herewith your note No. 298, for $2,500, under date May 27th, payable in 5 months and due Oct. 30th, which has been signed by Mr. Edison as President of the Lamp Co., also endorsed by him, and which is to take the place of your note No. 295, dated Sunday, May 26th.

Mr. Edison says that in view of the recent adjustment of Light Company affairs, this ought to be the last of your notes to receive his personal endorsement.

Yours truly,

Private Secretary.

May 28, 1889.

My Dear Mr. Connery,-

I am very glad to learn from your letter of 10th instant that you are ready to leave for Mexico. I am prepared to give you the machines which you require for your initial work any time that you may call for them.

I enclose herewith a formal letter addressed to yourself, which covers the point referred to in yours under reply, regarding the commencement of the three months prescribed in the joint letter addressed to you by Col. Gouraud and myself, which was not dated, but which I refer to as under date November 7th, 1888, as it was on that day my signature was attached to the same.

Yours very truly,

Thomas Edison

Thomas B. Connery, Esq.,
c/o Messrs. Fox & Preble,
147 Nassau St., New York.

May 28, 1889.

Thomas B. Connery, Esq.,

c/o Messrs. Fox & Preble,

147 Nassau St., New York.

D e a r S i r :-

Referring to the joint letter addressed to you by Colonel Gourmid and myself, and which was signed by me on the 7th day of November, 1888, and which states that "You are within a period of three calendar months to obtain from the Government of Mexico an exclusive license or concession . . . . . to supply that Government . . . . . with phonographs, manufactured in accordance with the present or any future invention or improvement of Mr. T. A. Edison," and which also provides that "Within three calendar months after obtaining such license or concession you are to form or establish in England or the United States of America or the Republic of Mexico a Company &c.," and in answer to your letter under date 10th instant, asking me to name a date from which the three months above referred to shall commence to run, I beg to

T. B. C. -3-

advise you that I am at the present moment prepared to deliver to you the machines which you require to enable you to start for Mexico, and, therefore, the term of three months above mentioned shall begin from the date of this letter.

Yours very truly,

[illegible]

May 28, 89.

Edison Machine Works,
Schenectady, N. Y.

Dear Sirs:-

I beg to confirm the following telegram sent you to-day:-

"When may we expect report on last samples insulation sent you? T. A. E."

Yours truly,

Thos A Edison

May 28, 1889.

J. H. Vail, Esq.,

Edison Electric Light Co.,

New York.

Dear Sir:-

Replying to your letter of 20th instant, Mr. Edison has been absent so much lately that I have been unable until today to submit your letter to him. If the members of the Presbyterian General Assembly, New York City, can come to the Laboratory on Friday of this week, it will be convenient for us to receive them on that day.

Yours very truly,

A. O. Tate.

Private Secretary.

A.

May 29, 1889.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams sent by me and received from you:-

NEWARK, PARIS. May 29, 1889.

"Most of your phono. material shipped 18th, balance goes Saturday next. Have sent you musical records by Captain steamer "La Champagne" sailed 23th.
Edison."

T. A. EDISON Paris, May 28, 1889.

"Tell Batchelor 13 phonograph I brought had no spectacle; rush phonograph.
Hammer."

T. A. EDISON. Paris, May 29, 1889.

"Send regulator and animator for 56 dynamo 200 test sockets and 500 assorted colored lamps
Hammer."

Yours very truly,

T. A. Edison

*Because this is annuitts — AM

May 23, 89.

The Edison United M'f'g. Co.,

65 Fifth Avenue, New York.

Dear Sirs,-

I beg to confirm the following telegram sent you to-day:-

"Mr. Burke very much annoyed lamps are not yet in order. Please send man out immediately to connect up tubes with switch board. Chas. Batchelor."

Yours very truly,

Chas. Batchelor.

H.

May 29, 1889.

Francis R. Upton, Esq.,

Edison Lamp Company,

Harrison, N. J.

Dear Sir:-

The following is copy of a cablegram which we received to-day from Paris:-

To
Thomas A. Edison From Paris, Via. N. Y., May 29, 89.

Send regulator and voltmeter for 56 dynamo 200 test sockets No. 235 and 300 assorted colored lamps. H a m m e r .

Mr. Edison desires you to give the above your immediate attention.

Yours very truly,

*This must have a voltmeter

May 29, 80.

Mrs. Edison,-

Mr. Hibble has sent the attached sketch, to have you select the colors for your Florida house, which has to be repainted. If you will indicate the colors that you would like to have used, I will write Mr. Hibble accordingly.

May 29, 1889.

Edwin H. Fox, Esq.,

New York.

Dear Sir:-

I beg to confirm the following telegrams received from you and sent by me to-day:-

T. A. Edison. May 29, 1889.

"Did you receive letter about phonograph attachment mailed Friday? Answer. E. H. F."

Edwin H. Fox. May 29, 1889.

"Your letter to Mr. Edison received. Am writing to-night. A. O. T."

Yours truly,

Private Secretary.

May 29, 1888.

My Dear Mr. Fox,-

Mr. Edison has received your letter of 24th instant, and asks me to say in reply that he will be very glad to see you at the Laboratory any day this week and to have you bring your spring attachment for the phonograph.

Yours truly,

Private Secretary.

any day after tomorrow

Edwin M. Fox, Esq.,

147 Nassau St., New York.

May 29, 1880.

Mrs. M. R. Stewart,
735 N. Meridian Street,
Indianapolis, Ind.

Dear Madame:-

Mr. Edison asks me to acknowledge receipt of your kind letter of 16th instant, and to say in reply, he believes that in time electricity will take the place of steam entirely as a motive power.

Yours very truly,

Private Secretary.

May 29, 1880.

My Dear Insull,-

Replying to your personal letter to Mr. Edison of 27th inst., with which you enclosed copy of correspondence from Mr. F. S. Dyer, with relation to Siemens cable, Mr. Edison says that we ought to keep the report of Director W. Uppenborn, as it practically confirms Mr. Edison's opinion of the Siemens cable, namely, that it is good electrically, but defective mechanically. I have filed the copies of this correspondence which you sent in this office.

Yours very truly,

Private Secretary.

Samuel Insull, Esq.,
10 Dey St., New York.

May 29, 1888.

Mr. Oliver Ellsworth,

726 Geary Street.

San Francisco, Cal.

Dear Sir:-

Replying to your letter of 10th inst., I beg to say that Mr. Edison has made a few fundamental experiments in connection with air locomotion, but has not had time to give very much attention to the subject.

Yours truly,

Private Secretary.

May 30, 1889.

Nicholas H. Bell, Esq.,

Sup't. Foreign Mails, P. O. Dep't.,

Washington, D. C.

D e a r S i r :-

I beg to advise you that on the 28th instant I shipped to the Post Office Department, Washington, the following Phonoplex Telegraphic apparatus, for transmission to the German Postal Authorities:-

2 Phones.
2 Magnetic Coils
2 Transmitters
2 Rheostats
2 Keys.

Diagrams were also included, showing how to connect up the instruments.

I will ship you in a few days, 4 Condensers and 10 cells of battery, which, with the above apparatus, will constitute a complete equipment for two Phonoplex terminal stations.

Yours very truly,

Thomas A. Edison

May 30, 89.

Messrs. Jas. W. Queen & Co.,

Philadelphia, Pa.

Dear Sirs:-

In your letter to us under date 29th instant, wherein you refer to our having returned your draft for $568.34, you state that the return of this draft was the first notification you have had that your bills were not satisfactory to us. This is an oversight on the part of some of your employees, as we have a letter from you under date 28th instant, wherein you discuss the defects of the woodwork of the instruments covered by these bills. The defects are not the result of packing, but are caused by green wood having been used in the manufacture of the instruments. They have warped and cracked, and we certainly should not be expected to pay for the repairs which will be necessary to put these instruments in proper condition. You ask us to state what we consider would be a fair allowance. We have made an estimate of the cost of repairs and have found that five per cent from the amount of your bills will cover it.

Yours vert truly,

May 31, 1889.

T. B. Doolittle, Esq.,

Boston, Mass.

My Dear Sir:-

I enclose herewith a letter which will give your son the privileges of this laboratory, when he comes to Orange to see Mr. Edison. I am obliged to send this to you, as you give no address in your letter, and no one here is familiar with the location of Rockland College.

Yours very truly,

Private Secretary.

May 31, 1890.

This will admit Mr. Doolittle to the Edison Laboratory, to be presented to Mr. Maguire.

Private Secretary.

May 31, 80.

A. B. Chandler, Esq., President,

Postal Telegraph-Cable Co.,

1 Broadway, New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Will be glad to see you at the Laboratory to-morrow (Saturday) any time convenient to yourself. T. A. Edison."

Yours truly,

T. A. Edison

May 31, 1889.

Col. George E. Gouraud,
c/o
Little Heath, Upper Norwood, Surrey,
England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

GOURAUD, NORWOOD. May 29, 1889.

"Continue, Edison."

THOS. A. EDISON. May 30, 1889.

"Have you shipped sample commercial?"

GOURAUD, NORWOOD. May 30, 1889.

*"Sending latest phonograph June fifth. Writing fully. Edison."

Yours truly,

T. A. Edison

*This was sent before the receipt of your cable same date. Confirmed above.

May 31, 1880.

S. Blood Page, Esq.,

The Edison & Swan United Electric Lt. Co.,

London, England.

My Dear Sir:-

On the 20th of March last I wrote you a letter, a copy of which I enclose herewith, in which I asked you to kindly send me copies of any agreements which you may have in your possession between Mr. Edison and the old London Edison Electric Light Co., also between Mr. Edison and the Edison & Swan United Electric Lighting Co. I have not yet received any reply to this letter, and inasmuch as I am at present engaged in recording all of Mr. Edison's agreements &c. in a Contract Book, for the purpose of convenient reference, and am anxious to have it as complete as possible, I shall be very much obliged if upon receipt of this letter you will inform me whether or not you can supply Mr. Edison with copies of the contracts asked for.

Yours very truly,

Private Sec'y.

May 31, 1889.

Mr. Jno. V. L. Pierson, M. E.,

Bloomfield, N. J.

Dear Sir:-

I beg to acknowledge receipt of your letter of 28th instant.

In reply I regret to state that at present there is no position vacant in the Laboratory to which you could be appointed, Mr. Edison already having more assistance in his work than he really requires. Just now he is cutting down his staff, as he contemplates a trip to Europe this summer, and work will not be taken up actively until his return. Your application has been placed on file for reference, and should an opportunity occur in the future, I shall be pleased to communicate with you.

Yours truly,

Private Secretary.

May 30, 88.

Col. George E. Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

Your letter 4th instant, wherein you state that "The last phonographs received fully realize the expectations "which I have confidently held throughout and if you are now "ready to produce them in large numbers, as I understand indi-"rectly you are, the moment has come and no time will be lost "in proceeding," has been received.

On the 7th instant, I cabled you that I was "Ready to ship "phonographs in practical commercial form for sale and use com-"mercially in such quantities as you require. Am impatient to "get your orders," which, while written before the receipt of your letter above referred to, answered your implied question as to whether I was ready to produce machines in large numbers.

Your reply to the above was embodied in your cable to me under date 9th instant: "Must first see commercial machine and "price. If both satisfactory large orders. Express sample. Cable "departure. Wrote Saturday," which I answered on the 18th inst.:

"Can't give price until three thousand made. However, are willing "then at forty-five dollars to Company here for first thousand, "forty for next and probably thirty-five for next thousand, sub-"ject to final settlement by books. Ultimate price will be lower, " as we have stopped making changes and are cheapening work. We "have up to to-day delivered seven hundred. They are working "satisfactorily in hands of public. Send order for what you want "now, whether one a week or one hundred." To this you replied on 17th instant: "Must decline ordering until see machine proposed. "Last received proves unsatisfactory. I refer waiting automatic to "Injuring otherwise splendid business," which was followed up by your letter of complaint dated 18th instant. I quote all these cables in their proper order in compliance with the suggestion in your letter last referred to that I read the telegrams in the light of those immediately preceding." Viewed strictly in this light it would appear that the phonographs last sent you "fully realised the expectations which you had confidently held throughout" up to the date of my cable of 7th inst., asking for your orders, and that your troubles then began.

I find your specific complaints to be as follows, and I will answer them by the numbers I give them.

(1) Great irregularity.

(2) Diaphragms easily broken. All broken thus far.

(3) One cell seems too little. Two too much.

-3-

(4) New machines less to be relied on than previous machines received.

(5) New machines require experts.

FIRST. We encounter no such trouble here. The Phonograph governor is as perfect a piece of mechanism as ever was to-day and performs its work with absolute accuracy, as I have proven time and again by tests made under my personal supervision, and I have never had a single complaint as to bad governing in connection with the 900 machines which have been delivered to date to the licensees of the North American Phonograph Company.

SECOND. This to me is conclusive evidence of the incompetency of the persons in whose hands you have placed your instruments. There is no reason whatever why the diaphragms should be broken. They are well protected, and the ordinary handling of a machine in practical use should result in no damage to the diaphragm. This complaint also is original with you.

THIRD. It was never my intention to adopt permanently the first batteries sent out with the phonograph. I know they are very imperfect. I have experimented steadily for more than a year to obtain a suitable battery for this business, and I have succeeded. One of the first

of those which I have made will be shipped to you on Wednesday next, 8th prox. It will run the phonograph four (4) hours per day for thirty days, and then by adding a small quantity of compound to the solution, will run for twenty days more. I can prolong the life of this battery to six months, or any part thereof, by increasing the size of the cells proportionately.

FOURTH. This is another criticism entirely original with yourself and is disproved by an experience which we have had here, that is far wider than your own. Your trouble is without doubt want of knowledge on the part of your operators.

FIFTH. I have had vast experience in the marketing of novel inventions and I have never yet seen a piece of special mechanism designed for ultimate use by the general public, that could be placed directly in their hands without employing experts to teach and instruct them. The Telephone, the Electric Pen, the Mimeograph, and the various devices embodied in the electric light system, which are handled by the public, all require to be explained by men who are familiar with them, and even so simple an instrument as an improved flat-iron involves

a certain amount of explanation by an "expert" before it can be intelligently introduced into domestic use. Probably ninety per cent of all the sewing machines employed to-day are operated by women and the Companies employ paid agents or "experts" to educate these, which takes from three to four weeks time. Every new device which from time to time is brought out by sewing machine people has to be explained by an expert, and compared with this instrument, the phonograph is a marvel of simplicity. It takes us just about two hours to thoroughly instruct a person with no previous knowledge in the operation and care of the phonograph, but the instructor must be thoroughly competent and familiar with the machine, or his instructions would serve only to confuse and add to the ignorance of his pupil. Your trouble seems to be that you have no one who is master of the new instrument, consequently you can have no efficient graduates and the phonograph is blamed for faults which exist only in those who handle it. Your complaint, therefore, in regard to experts is absurd.

To the majority of people this term "expert", conveys the idea of intricacy. It is a case where there is a great deal in a name. I think if we were to call our men "Phonograph Operators" seventy-five per cent of the visionary difficulties of the instrument would disappear.

Col. G. R. G. -6-

In regard to loudness and other qualities you mention I can reply to all your questions of this nature by saying that we find the new instrument superior in every respect to the old ones.

I find in your correspondence the following queries, answers to which follow:-

(1) How many phonographs can you rely upon in monthly deliveries beginning with June?

This depends entirely upon yourself. We are turning out phonographs at the rate of from 230 to 240 per week, and doing everything necessary to increase the output rapidly to meet the full number ordered by the North American Phonograph Co., viz., 300 per week. When you made your contract with us you secured to yourself privileges regarding the number of machines to which you would be entitled. You surely do not expect us to guarantee provisional deliveries, dependent upon your future decision as to whether you will order the instruments or not? This is practically what you ask us to do, and I, of course, decline.

(2) What are the maximum prices of

(a) Motor Machines

(b) Treadle Machines.

(c) Motor Machines for Electric Light Circuits.

(d) Regular Chromic Battery.

(e) New Oxide Battery?

(a & b) We are selling these to the North American Phono. Co. at $45 each, exclusive of battery power for the former, which will be billed separately as explained below. When we have turned out three thousand machines the correct price will be determined. The effect of this will be to make the average price of these 3,000 instruments considerably lower than would be a price arrived at at the present time on instruments manufactured to date, as the percentage of general expense will be lower when applied to the former owing to the increased output consequent upon the increasing efficiency of our operatives, who as they become familiar with this new work are able to finish a larger number of parts within a given time.

(c) For the present we are going to bill these machines at ($60) fifty dollars each. They require a little more work than the battery instruments. We hopely do not think the difference in price of the two classes of instruments will be so great.

(d) The price of this battery is $ [illegible] per cell complete. The solution costs about $ [illegible] per gallon. [illegible]

(e) We have just created a new building in which to manufacture this battery. We will make various sizes proportion-

tionate to the life desired, the maximum being six months. We have not yet made any but the thirty day size, which, for the present, we will bill at $ per cell. Solution costs about $ per gallon. See P.8.

(2) What is price of combined motor and treadle machine?

We do not intend making an instrument of this kind. As we make a treadle machine and a motor machine, I cannot see the utility of a combination of the two in one instrument.

(3) Are the last instruments sent you the same as the 700 which I placed in my table with last, had been supplied to the North Am. Phono. Co. up to that time?

A portion of these are the same and the others like the machine which goes to you on Wednesday, upon the arrival of which you will find that the difference in no way justifies your vehement criticism to the effect that I have furnished the North American Phonograph Company with instruments vastly superior to your own. The spectacle adjustment of these later machines is more simple than that of the earlier instruments, which constitutes the only change.

There are fifty of these phonographs in the hands of the public right around Newark, and no complaints. The only trouble I hear of is in connection with the old batteries, which we are replacing as rapidly as possible. Mr. John L. Satterfield, Manager of the Michigan Phonograph Co., writes me under date 18th instant:-

"I am glad to say that the phonograph, with the exception of the battery, is giving entire satisfaction."

Having provided a reliable battery, the only remaining difficulty is in the wax. We have trouble in freeing it from impurities which have the effect of cutting and dulling the knives, and this of course results in a rough recording surface on the cylinders. We are after this trouble and will eliminate it very shortly, producing also a cylinder which will neither warp nor crack.

All these minor difficulties are incidental to the development of an entirely new enterprise, and will in due time disappear. We are thoroughly familiar with all points where improvement is desirable and are straining every nerve to make the instrument absolutely perfect.

There is no reason, however, why business should be delayed while we are going through these different degrees of perfection. We have passed the comparative and will reach the superlative in good season. That we are now making a practical commercial machine is beyond dispute. Any changes which are made in methods of adjustment or in other directions will not render useless other parts of the instruments. Phonograph parts are all interchangeable - are gauged to a fraction fit in manufacture - and any

new designs will be adapted to instruments already sent out, requiring only the removal of the part intended to be replaced - nothing else will be interfered with. I explain this fully to you, because you apparently desire to be assured that I will make no further changes, which would mean practically that I do not intend to improve the instrument in the future. If you want assurance to the effect that I am not going to make a radical change which would render useless all the instruments sent out so far, and necessitate their abandonment and result in a heavy loss to the present purchasers, I give it to you most readily, though to interpret your desire in this manner would be crediting you with having formed but a poor opinion of my judgment.

Altogether your criticisms are superficial and are the result of a very imperfect acquaintance with the machine.

I can only reply to your question as to when you will receive a commercial phonograph by stating that you already have commercial instruments and we will be glad to increase the number when you advise us definitely of your wishes in that connection.

Yours very truly,

Ralph Lyons

Col. G. E. G.

P. S. It has occurred to me that you may have encountered a difficulty which we have met with here, and not realized its cause. We find that men who have had no previous acquaintance with the phonograph learn to handle the new instrument more quickly than those who have been used to operating the old machine. The working of the instrument involves the education of the hands as well as the intellect, and an operator eventually makes the motions of adjustment intuitively. A man transferred from an old machine to a new one is obliged not only to forget his previous education, but to overcome the impulse of his muscles to indulge in a familiar movement. Thus an old operator is virtually handicapped for a time, which though short in itself consumes more time than is necessary to educate a new man.

It is quite impossible for me in this letter to quote price of new battery and solution. I will advise you of these as early as practicable. Mr. Butterfield, whom I have referred to before in this letter says: "I am making a test of a storage "battery here which promises to be very satisfactory. It runs "about one hundred and fifty-five hours without stopping. I shall "use this storage battery in connection with the machine until I "get some other battery from you."

Perhaps you might take advantage of what is here suggested, and try a storage cell until I am ready with my new type of primary battery.

May 31, 1880.

The Mutual Life Insurance Co. of New York,

New York City.

Dear Sirs:-

Referring to your agreement with David N. Ropes under date 20th instant, which acknowledges the receipt of $500 as part of the purchase money of the premises known as the "Mary A Davis Property,"-(No. 10,812), situate in the township of Bloomfield, Essex Co., New Jersey, and which provides for a further payment of $4,750 to complete the said purchase, and to be made on or before the first day of June, 1880, I enclose herewith my check on Messrs. Drexel, Morgan & Co., under date 31st inst., for $4,750, in satisfaction of the payment last referred to, the receipt of which please acknowledge.

Yours truly,

June 1, 89.

George F. Kingsley, Esq.,

Orange, N. J.

Dear Sir:-

I enclose herewith Agreement between David H. Ropes and the Mutual Life Ins. Co. of New York, in regard to the premises known as the "Mary A. Davis property," Bloomfield township, which acknowledges the receipt of $500 on account of the purchase price of said property, and the balance due to complete the payment, namely, $4,780, was remitted to the Mutual Life Insurance Co. yesterday. Mr. Edison would like you to take this matter in hand now, and to have you see that the title to the property is all right, and that the deeds, which I presume will be prepared by the Mutual people, are in proper form.

Yours very truly,

Private Secretary.

June 1, 1880.

George F. Kingsley, Esq.,

Orange, N. J.

Dear Sir:-

I enclose herewith agreement in duplicate between the executors of Charles Farrand, namely, Anna Farrand and Stanford Farrand, and Thomas A. Edison, in regard to property in Bloomfield and Belleville. These agreements were prepared by Mr. Ropes. One of them has been signed by Chas. Farrand's executors, and the other is to be signed by Mr. Edison. Will you kindly look at them and let me know if they are all right for Mr. Edison to attach his signature.

Yours very truly,

Private Sec'y.

June 1, 1889.

My Dear Gourand,-

I have received your letters of May 4th, replying to mine of 13th and 20th of April, and am very much obliged for the explanations which you make both as to your policy and your motives. It is your first attempt to familiarize me with the work which you have been conducting, and the fault is your own that I have arrived at conclusions based upon information received from other sources. That this information was mixed with malice towards yourself I have no doubt. The conclusions arrived at in so many directions were too unanimous to admit of that idea. In my letters to you I did not condemn any specified part of your policy. I said that I considered some of your arrangements were excellent, and I had in mind the lectures of yourself and your assistants before the Scientific Societies of England and France, my approval of which is evident by the assistance I have extended to you in your preparations for them. At this distance it would be quite impossible for me to point to that particular part of your policy which agitated a wave of very adverse criticism on the part of the public abroad, and which when it reached me here

Col. G. R. G.

convinced me of what my duty has been to you and to myself, more especially as you were on the point of committing an indiscretion in connection with the Paris Exposition which we would both have had cause to regret. I am sorry to see that you stare in your correspondence do you admit this error of judgment upon your part, but instead you relate the use in which the old machine was put upon a similar occasion years ago, and for which I personally was in no way responsible. Perhaps if at that time I had had in Europe a personal representative having my better interests at heart, the exhibition to which you refer, and many other mistakes as well, would never have been made. I intend, so far as I am able, to protect myself against a repetition of these things in the future. I appreciate fully the trouble you have encountered through the attempts of exhibitors at the old instrument to steal your thunder, all of which you doubtless find as difficult to control as the vagaries of a comic journal. It is more than unfortunate that you should be worried in this way, and I think the steps which you have taken to acquaint the public with the true state of affairs are in the right direction and will, if they have not already done so, accomplish your object, in which I feel deep interest. There is one thing which I am very pleased to note in your recent correspondence, and that is, that you are contemplating real business. The Rural American people have covered all their territory, with the exception of Alaska, and I see no reason,

why our progress in Europe should be delayed. Phonographs are ready for you wherever you want them; you have excited public interest abroad to as high a pitch as has probably to reached - in fact everything is ripe for immediate action, as you have yourself stated, and I hope to see the commercial side of the phonograph take shape in the countries under your control, with consignment dispatched.

I have not yet had an opportunity to give thought to the brief outline which you have submitted, regarding your proposed plan of campaign, but will consider it to-morrow and communicate with you early in the week.

Yours very truly,

May 28, 1889.

My Dear Mr. Swan,-

I have to thank you for the very kind invitation which you have extended to Mrs. Edison and myself to visit you at your home in England. I regret to say that our plans will not permit us to accept of your generous hospitality, as we contemplate only a short stay in Paris and an immediate return to America.

Yours very truly,

Thos A Edison

J. W. Swan, Esq.,

Lauriston, Brenley, Kent,

England.

June 1, 80.

John L. Utterfield, Esq., Manager,

Michigan Phonograph Company,

Detroit, Mich.

My Dear Sir:-

Mr. Edison has received your letter of 28th ult., enclosing a communication from Mr. W. H. Pearley, President of the Michigan Press Association.

In regard to musical records, the North American Phonograph Co. is particular in having all such orders pass through them, but Mr. Edison believes that there is nothing in the way of his presenting you, personally, with a number of these records, and he has, therefore, given instructions for a selection of first class cylinders to be made and expressed to you, which he asks you to receive with his compliments.

In regard to new batteries for the phonograph, we have erected a new building in which to manufacture these and which is now being equipped for that purpose. At the moment we cannot name a definite date for shipment, but will be able to do so a little later on. We are leaving nothing undone to bring this battery

out at the earliest possible moment. Mr. Edison says that the results which you are obtaining from storage batteries are excellent, and he is glad to know that the phonograph is giving satisfaction.

Yours very truly,

Private Secretary.

June 1, 1880.

S. B. Eaton, Esq.,

130 Broadway, New York.

My Dear Sir:-

The memorandum of Mr. Gilliland's account which I left with you the other day, is not quite correct, as some items had not been entered upon our books when I took the figures from the Ledger. I enclose herewith a full statement of the account, showing a debit against Mr. Gilliland of $3,806.18.

Yours very truly,

Private Secretary.

May 31, 1880.

To Whom It May Concern

This is to certify that Mr. Erwin von Wilmowski, has been employed at this Laboratory for the past year and a half, as a Chemist. I have found him to be an energetic and faithful worker, and take pleasure in recommending him to any one requiring such services as he is capable of rendering.

June 3, 1880.

Mr. Edison,-

Here is a draft of proposed letter for Phonograph Companies. Kindly make any corrections which you think desirable, after which I will have a fair copy made and the letters to the Companies written.

I think, merely as a matter of form, that we ought to submit this letter to Lippincott before it goes out. He will be in his office on Thursday, so that it will not cause any delay.

Yours truly,

A. O. Tate
A.

June 8, 89.

Mr. George W. Coster,

Edison United M'f'g. Co.,

80 West 4th St., Cincinnati, Ohio.

Dear Sir:-

I have received your letter of 28th ult., in regard to certain experiments which you desire me to conduct with the view of ageing whiskey electrically. At the present time I have on hand some sixty-seven different experiments, to keep pace with which I am obliged to work night and day. It is, therefore, quite impossible for me to enter upon the work which you desire me to take up, and I cannot now say when it would be possible for me to give the matter consideration, as I am going abroad the latter part of July, and will not return until the fall.

Regretting my inability to assist you

I am, yours very truly,

Thos A Edison

June 3, 1880.

Gustave Stromberg, Esq.,

33 Broad St., New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Will take any of the stock which you have left.

Answer how many shares. A. G. T."

Yours truly,

June 5, 1889.

Chas. Batchelor, Esq.,

Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

I enclose herewith a letter from Hamilton, in regard to the last machines sent Gourand, which relates to the experience the former has had with these instruments. Mr. Edison desires to be informed when you have ready the new machine that is to be sent Col. Gourand on Wednesday next, as he wishes to test it himself, and he will also write a letter of instructions to Hamilton as to the manipulation of this new instrument.

Yours very truly,

Private Secretary.

June 3, 1880.

A. B. Dick Co.,

183 - 184 Lake Street,

Chicago, Ills.

Dear Sirs:-

I beg to acknowledge receipt of your letter of 1st instant, covering your check No. 89, same date, payable to my order for $174.16, being 10% on 66 shares preferred stock of your Company held by me, from Feb. 1st to May 6th, 1880.

Yours truly,

Fred. H. Gilbert

June 8, 1920.

George F. Kingsley, Esq.,

O r a n g e , N. J.

Dear Sir:-

I enclose herewith deed of the Mutual Life Ins. Co. of New York for the Mary A. Davis property at Wheatfield, referred to in the memorandum between this Company and David H. Ropes, which I sent you last instant. Will you please examine this deed and advise me if it is in proper form, and also be good enough to verify the title to the property. I notice that the deed is made subject to a lease of the said premises. What lease does this refer to?

Yours truly,

Private Secretary.

June 3, 1889.

Mutual Life Insurance Co.,

New York City.

Dear Sirs:-

I beg to acknowledge receipt of your letter of 1st instant, enclosing deed of the Davis property at Bloomfield (10033)

Yours truly,

Thos. A. Edison

June 4, 1880.

L. E. Adams, Esq.,

Grand Union Hotel,

New York City.

Dear Sir:-

Referring to our conversation of yesterday, I enclose herewith my check, payable to the order of the Equity Publishing Company, for $80.00, covering twenty-five yearly subscriptions to E q u i t y. Please send the paper to the following persons:-

Randolph J. F.	Wurth Chas.
Miller H. P.	Read M. S.
Deshler G.	Ott Fred.
Dickson W. K. L.	Fessenden R. A.
Brown G. A.	Dorr Jno.
Wheelwright S.	Gladstone J. W.
Aylesworth W.	Ott Jno. F.
Lord J. H.	Stoell Thos.
Maguire J. T.	Schulze-Berge F. Dr.
Foulkes S. D.	Marshall D.
Deems F. Dr.	Wangemann A. T. E.
Hoffmeyer G. A.	Hipple Jas.
Forse J. J.	

Yours truly,

Thos A Edison.

June 4, 1900.

Mr. W. H. Stewart,

Concepcion, Chile.

Dear Sir:-

I have received your letter of 1st instant, in regard to the phonograph in Chile. I am not independently of Col. Gourand, and have, therefore, forwarded your communication to him. Col. Gourand will doubtless see the propriety for prompt action.

Yours very truly,

Wm. Pierson

A.

June 4, 1900.

Col. George H. Gossard,

Little Heath, Upper Norwood,

Surrey, England.

Dear Sir:-

I enclose herewith a letter from Mr. W. T. Stewart, under date 1st ult., in regard to the phonograph in Chile. It appears that the gramophone people are trying to get an exclusive privilege in that country, and Mr. Stewart believes that prompt action is necessary in order to head them off.

Yours very truly,

Thos. Macrae

June 4, 1880.

L. C. Washburn, M. D.,

Fort Myers, Fla.

Dear Sir:-

Mr. Edison has received your letter of 27th ultimo, relative to the establishment of a Government Experimental Station at Fort Myers, and soliciting from him a contribution to the fund which you are raising for that purpose. Mr. Edison considers that the proposed Government Station would be quite an acquisition to Fort Myers, and has instructed me to send you a check for $50, to be handed over to the Board of Trustees having the matter in charge, and I take much pleasure in enclosing the same herewith.

Yours very truly,

Private Secretary.

June 4, 1880.

Messrs. Reynolds & Co.,

176 Fulton Street,

New York City.

Dear Sirs:-

Will you kindly send me a list of colors appropriate for painting a frame dwelling house. What I would like is a plan that would show the different colors, so as to enable me to select the most appropriate. If you have such a thing, and will send it to me, I shall be very much obliged.

Yours very truly,

[illegible] Barlow

June 5, 80.

Messrs. Dyer & Seely,
New York.

Dear Sirs:-

Here is another letter which we have received from Hartford.

Yours truly,

June 5, 1880.

Samuel Insull, Esq.,
19 Day St., New York.

Dear Sir:-

I am much obliged for yours of 4th inst., enclosing check of J. W. Chapman for $6,303.53.

Yours very truly.

June 6, 1880.

W. J. Hammer, Esq.,

Paris, France.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

NEWARK, PARIS. June 6, 1880.

"We ship each week 60 unalumi 3½ inders via Havre and 30 via London. All your phonograph material goes Saturday. EDISON."

Yours very truly,

[illegible] will be found. The wire upon which these samples of [illegible] were [illegible] is a [illegible] well insulated to [illegible] if [illegible] [illegible] 80.

Samuel Insull, [illegible] Esq.,
[illegible] the Edison Machine Works; we think, [illegible]
[illegible] you a [illegible] of wire in a short time.

[illegible] N. Y.

Yours very truly,

Dear Sir:-

[illegible]

We beg to acknowledge receipt of your letter of 3rd instant, in regard to insulating compound, contents of which we have carefully noted.

We are sending you to-day, per U. S. Express, several samples of insulating compound, which we can supply for 30 cents per lb., and this price can, of course, be reduced if it is found desirable to mix any inert substance with it. The specific gravity of this compound is 3 to 3.5, copper being 8.95. [illegible]

We are also sending you some samples of wire. It will not be necessary for you to report on these samples, unless you consider the wire suitable for your use. We have tested sample No. 604 very carefully, and it shows a perfect insulation after being kept in wet waste at an electrical pressure of 110 volts for 60 hours. It has been kept at a temperature of 210 F. for 28 days; and it does not flame in the least when subjected to a current of 100

amperes until destroyed. The wire upon which these samples of insulation were put, was supposed to be fairly well insulated to begin with, so if slight cracks occur in the fireproof compound, it is hoped that it will not render the wire useless.

The black paths on sample No. 070 is, we think, something new. We will send you a few more samples of wire in a short time.

Yours very truly,

[illegible]

[illegible] LABORATORY OF THOS. A. EDISON.

[illegible] letter of [illegible] and [illegible] to [illegible] samples, [illegible] of which we [illegible] noted.

[illegible] you to-day, [illegible] fireproof, general [illegible] compound, which we can supply for [illegible] per lb., [illegible] of course, [illegible] it is good desirable [illegible] insert an [illegible] with it. The cost is equally of the [illegible] to 2 to 3.5, copper [illegible] basis.

[illegible] also send [illegible] samples of wire. It will [illegible] for you to report on the samples, unless you [illegible] whole [illegible] our use. [illegible] tested samples [illegible]

[illegible] if [illegible] insulation [illegible]

[illegible] to [illegible] future [illegible]

[illegible]

June 5, 1880.

Gustave Stromberg, Esq., Sec'y.,

Westman Furnace Company,

31 - 33 Broad St., New York.

Dear Sir:-

I enclose herewith Mr. Edison's check for Forty-five hundred dollars ($4,500), covering sixty shares of stock of Westman Furnace Company, in accordance with your telegram of 3d instant. Kindly send us certificate as soon as possible, and oblige

Yours truly,

Private Secretary.

June 5, 89.

Mr. Kennelly,-

Dear Sir:- I enclose herewith statements and vouchers in connection with the Edison Birthday Fund, which I have been delayed in making up owing to my not having been able to get the bills for work done in the Laboratory until within the last few days. These Laboratory bills amount to $39.37. As we had a balance on hand of but $18.25, I have allowed a rebate on this bill of $21.12, so as to just absorb the whole of the fund, and thus relieve me of the embarrassment of either a surplus or a deficit. After you have examined these, will you kindly hand them to Mr. Ott, and he will be good enough to pass them to Mr. Wangemann, who in turn will pass them to Mr. Dickson. I have I have named all the Committee, if my recollection serves me right.

Yours truly,

Latimer

German National Bank June 6th 1889
Newark N. J.

Dear Sirs

I beg to enclose you herewith the following checks, which please place to my credit and oblige -

From J. W. Chapman	$	.33
" A. O. Tate		6303.
" Erie Pa		18.25
		3.90
Total	$	6325.48

Yours truly
Thomas A Edison
R.

June 6, 1880.

W. J. Hammer, Esq.,

P a r i s ,France.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

EDISON, NEW YORK. June 6, 1880.

"Send meters data and copies Jenks paper from Light Company. Hammer."

NEWARK, PARIS. June 6, 1880.

"Meter and data go forward Saturday; Jenks paper already mailed. Edison."

Yours truly,

June 6, 1880.

Francis R. Upton, Esq.,

Edison Lamp Company,

Orange, N. J.

Dear Sir:-

With reference to your letter of 3d instant, which I have shown to Mr. Edison, the latter will be at the Laboratory on Saturday afternoon, and will be glad to see yourself and Sergeant Bird. The Laboratory is running Saturdays until five o'clock p. m.

Yours truly,

Private Secretary.

June 6, 1889.

Francis R. Upton, Esq.,

Edison Lamp Company,

Orange, N. J.

Dear Sir:-

I beg to confirm Mr. Maguire's telephone conversation with you of this afternoon, relative to Mr. Harmer accepting the Presidency of the Association of American Exhibitors at the Paris Exposition and presiding at the dinner of the Commissions. Mr. Edison has no objection to Mr. Harmer acting in the former capacity nor to his presiding at the Banquet.

Yours very truly,

Private Secretary.

June 6, 1889.

Jesse H. Lippincott, Esq.,

North American Phonograph Co.,

140 Broadway, New York.

My Dear Sir:-

I enclose herewith a letter from Mr. P. G. Hubert, Jr., with whose name perhaps you are familiar as a well known writer for the press of New York City, as well as the regular correspondent of a number of London journals. When Mr. Edison gave the first exhibition of the phonograph, Mr. Hubert did some excellent work of a literary nature, and Mr. Edison made him a personal promise that he should have a phonograph for his own use when the machine was perfected. From time to time since then Hubert has written articles about the phonograph, and, as you will see, has not forgotten Mr. Edison's promise. The latter would like very much to carry out this promise and has asked me to write you in regard to it. He has done this if you can arrange so that Hubert have a machine, for which he will give a [illegible] credit or pay a [illegible] rate of the royalty paid by your Company, you will be [illegible] the

J. H. L. -2-

services of a valuable newspaper writer. Mr. Edison would like to know if this can be arranged.

Yours very truly,

[illegible] Secretary.

June 9, 1880.

George P. Kingsley, Esq.,

O r a n g e , N. J.

Dear Sir:-

I beg to acknowledge receipt of your letter of 8th instant, enclosing the Ferrand contracts, and advising me that you will look into the title of this property, and also the title to the property sold to Mr. Edison by the Mutual Life Ins. Co. of New York.

Yours very truly,

Private Secretary.

June 6, 1880.

Mrs. Edison,-

I send you herewith an "Improved Manifold Book," which you asked for the other day. I think you will find that this is what you want.

Yours truly,

June 6, 89.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

EDISON, NEW YORK June 6, 1889.

"If I cannot use new spectacle must have old ones and old wax till patents are secured. Crowd enormous. Don't forget extra parts.

. . . Hammer."

NEWARK, PARIS. June 6, 1889.

"Gourand has had abundant time to secure patents; use new everything, but only explain old devices. EDISON."

Yours very truly,

June 6, 1880.

Jesse H. Lippincott, Esq.,

North American Phonograph Co.,

160 Broadway, New York.

Dear Sir:-

I enclose herewith a rough draft of letter which the Edison Phonograph Works propose sending to the different Phonograph Companies throughout the United States, and which I mentioned to you this morning. Mr. Edison would like very much to have your opinion, not only as to the details of this letter, but to the general proposition which it involves.

Yours truly,

Private Secretary.

June 6, 1880.

Major S. T. Eaton,

130 Broadway, New York.

Dear Sir:-

I enclose herewith a letter from Mr. Reginald Gray, who is Mrs. Hennemay's attorney, inquiring about the stock which the latter holds in the Edison Phonograph Company. I saw Mr. Lippincott this morning, and he has suggested that I write Mr. Gray, stating that all the stock of the Edison Phonograph Co., excepting Mrs. Hennemay's holding, has been sold to Mr. Lippincott, and that would probably place Mr. Lippincott and Mr. Gray in correspondence with each other. Mr. Lippincott did not seem to be altogether prepared to take up this matter at the present time with Mrs. Hennemay and negotiate for the redemption of her stock, and appeared to have hoped that the matter would have been delayed until a later date - at least such is the impression that he gave me. Is there any objection to my writing the letter which he suggests, and will you kindly give me your own ideas as to how I should reply to this communication? The acknowledgement noted

on Mr. Gray's letter as of 3d instant, was simply a note from my Assistant, Mr. McGuire, saying that I was not at home when the letter reached here, but that I would reply to it on my return.

Yours very truly,

Private Secretary.

June 6, 1889.

Mr. Philip S. Dyer,

r u e O s y 43,

Antwerp, Belgium.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

EDISON, NEW YORK. June 6, 1889.

"Fine factory property sale to-morrow, bargain twenty thousand dollars, fifteen thousand square feet ground covered by ten thousand square feet floor space one story building, good condition, extra ground irregular vicinity for larger factory about seventy cents square foot, plenty ground for sale fifty cents.
DYER, ANVERS."

DYER, ANVERS. June 6, 1889.

"Price too high. EDISON."

Yours very truly,

June 6, 1880.

H. M. Livor, Esq.,

19 Day Street,

New York City.

My Dear Sir:-

Mr. Edison has received your telegram of 5th inst., asking him to arrange to go with you to the Gilbert Mine on Monday next instead of to-morrow (Thursday), and he says all right, he will be ready for you Monday.

Yours very truly,

Private Sec'y.

June 7th 1889

The Chronicle,
Orange N. J.

Dear Sirs:

I beg to enclose you herewith Mr Edison's check No. 1930 drawn to the order of Geo. L. Hartford, Mayor for $212.00 the same being subscribed by the Edison Laboratory Orange N. J. for the Johnstown Relief Fund.

I also enclose you herewith a list of the subscribers.

Yours truly,
John F. Randolph.

June 7th. 1889

German National Bank
Newark N. J.

Dear Sirs:-

I beg to enclose you herewith the following checks which please place to my credit and oblige

From J. W. Chapman	$ 10000.00
" H. B. Anchincloss	16.95
" Rochester N. Y.	13.74
" The Underwood Mfg Co	17.58
Total	$10048.47

Yours truly
Thomas A. Edison
A/

June 7, 1916.

Mr. Stanford Farrand,

Bloomfield, N. J.

Dear Sir:-

I beg to enclose herewith Agreement between Anna Farrand and Stanford Farrand, executors of Chas. Farrand, and Thomas A. Edison, relative to certain property in the townships of Bloomfield and Belleville, purchased by the latter. This document has been duly signed by Mr. Edison.

Yours very truly,

Private Secretary.

June 7, 1899.

George F. Kingsley, Esq.,

O r a n g e , N. J.

Dear Sir:-

Mr. Edison is very anxious to obtain a tracing of the map which Mr. Ropes has, showing the properties we are now purchasing in Bloomfield. I wish you would very kindly send this map to some Draughtsman and have a tracing made for us, and the different properties above referred to outlined in different colors, so that we can recognize the boundaries of each. At present we have no map at all, and so far as descriptions are concerned, we are entirely in the dark. Mr. Edison cannot lay the property out intelligently to suit his requirements until he gets this tracing, and he will be very much indebted to you if you will obtain it with as little delay as possible.

Yours very truly,

Private Secretary.

June 7, 1899.

Mr. Jacob Miller,

Canton, Ohio.

Dear Sir:-

Mr. Edison desires me to thank you for your letter of 1st instant, in regard to an engine which you have examined in Cleveland. He says he has not much faith in rotary engines. He knows of engines of this kind having a speed as high as ten thousand revolutions, but never saw one which was economical.

Yours very truly,

Private Secretary.

June 7, 1890.

Mr. Charles T. Porter,

Dr. Strong's Sanitarium,

Saratoga Springs, N. Y.

Dear Sir:-

Mr. Edison asks me to acknowledge receipt of your letter of 6th instant. He is glad to hear that you are recovering your health.

Yours very truly,

Private Secretary.

June 7, 80.

George H. Babcock, Esq.,

30 Cortlandt St., New York.

Dear Sir:-

Mr. Edison has received your letter of 6th instant, relative to an exhibition of the phonograph at the "Fête champêtre des cinq sens," which the ladies of your Society propose holding on June 12th.

In reply Mr. Edison desires me to say that he regrets very much he cannot himself loan you a machine for this occasion. He is, however, powerless in the matter, as all exhibitions of this kind are controlled by the North American Phonograph Company, No. 160 Broadway, New York City. I think if you applied to the North Am. Phonograph Co., they could perhaps arrange to let you have a phonograph for the occasion in question.

Yours truly,

Private Sec'y.

June 8th 1889

Geo. P. Kingsley Esq
Main Street
Orange N. J.

Dear Sir

I beg to enclose you herewith two checks as follows:-

One to the order of Lidia L. Ropes for $2000.00/100 for reduction of Mortgage on Ropes property Bloomfield, and the other to your order for $2000.00/100 being payment on account of Daly and Mullane properties Bloomfield.

Please acknowledge receipt and oblige

Yours truly
Thomas A. Edison
R

June 10, 80.

Mr. D. N. Ropes,

Vistha Hotel, 248 Tremont St.,

Boston, Mass.

Dear Sir:-

I beg to advise you that I remitted $2,000 to Mr. Kingsley, on account of Mr. Edison's mortgage held by Mrs. Ropes, and that I also made the payments to the Mutual Life Ins. Co. for the Mary A. Davis property. The receipt for $800 referred to in your letter of 6th instant I sent to Mr. Kingsley, and I presume he is holding it, as there appears to be some discrepancy between the description of the land as written in the deed delivered by the Mutual Life Ins. Co. and the record shown upon your page.

Yours very truly,

June 10, 89.

S. B. Eaton, Esq.,

130 Broadway, New York.

Dear Sir:-

Replying to your letter of 7th instant, I enclose herewith copies of our letters to you under date February 21st and March 9th, 1889, relating, respectively, to 38% of the Phonograph Works stock and the arrangement with Fraser & Co. for China and Japan. I will be in town to-morrow and will call and see you in regard to these matters.

Yours very truly,

Private Secretary.

June 10, 88.

Orange Nat'l. Bank,

Orange, N. J.

Dear Sirs:-

Please credit my account with the enclosed check for 420.00.

Yours truly,

June 10, 88.

W. W. Jacques, Esq.,

95 Milk St., Boston, Mass.

Dear Sir:-

I beg to confirm the following telegram sent you today:-

"Please make appointment with your Directors here Thursday instead of Wednesday. A. O. Tate."

Yours truly,

June 10, 89.

My Dear Perry,-

I have your letter of 8th instant, advising me that Mr. Cutting takes 40 shares of Western Bureau Co. stock. I will look you up to-morrow in town and will have the stock with me.

Yours truly,

Mr. W. H. Perry,

10 William Street,

New York.

June 10, 80.

My Dear Mr. Lippincott,-

The attached correspondence seems to me to confirm the necessity of our sending out such a general letter as that which is now in your hands. In addition to reassuring the various Companies in regard to Battery power, it will enable me to place before them my suggestion in regard to phonograph circuits, which I consider an excellent one and which I believe will be adopted in a great many places.

Yours very truly,

Thos. A. Edison

Jesse H. Lippincott, Esq.,

100 Broadway, New York.

June 11, 1890.

My Dear Gourand,—

I am sending you on Wednesday next, per S. S. "City of Paris," two phonographs with latest adjusting device, and I enclose you herewith a set of instructions for Hamilton's use. I regret exceedingly that these machines were delayed beyond the time originally set for shipment, namely Wednesday last, but I desired to test them myself before they went out, so as to be assured personally of their perfect condition in every respect, and could only do so to-day. I am also sending you twenty-five new phonograph blanks, in connection with which I have made great improvement during the past few weeks. You will be surprised to find that I have gotten rid entirely of all scratching sound. In using these blanks, be careful not to track your recorder too deep. Experience with the old cylinder may have gotten your operators into the habit of tracking the recorder quite deep, but with these new ones it requires to be tracked lightly. To ascertain how to track the latter, make several trackings from heavy to light, and you will reach a point that when tracking you get scarcely any sound, and upon reproducing you will hear resolutely

no sound whatever, excepting that of the record which you have made. These cylinders will not warp as the old ones did. They are slightly affected by moisture, but if you have any trouble from that source, advise me promptly, as I can give you a cylinder equally as good which will not be affected by moisture, and the cost of which will be about half a cent more than the former.

I really cannot see how the phonograph can be made more simple than it now is. Any person with ordinary intelligence can learn to operate it in half an hour.

I have already written you in regard to new battery, which I am preparing to manufacture, the price of which I am as yet unable to quote.

I shall be glad to hear from you when you have tried these new machines.

Yours very truly,

Col. George R. Gourraud,
Little Heath, Upper Sherwood,
Surrey, England.

INSTRUCTIONS FOR OPERATING NEW ADJUSTMENT

ON

PHONOGRAPH.

Stop the machine by pulling out the plug; put the spectacle at the extreme left end of the cylinder; let the spectacle down easily by the rubber handle; take the hand off the handle and put the index finger on the top of the little bolt near the handle, whose end rests on the straight edge; and with the thumb press the little wire which protrudes at right angles of this bolt to the left. The very slightest touch will raise it down and lock the spectacle in position. Start the machine and the spectacle go out. You will notice that on the side of the spectacle, there is a little pendulum, with a little screw on the end of it. This is the determining stop. The bottom of the pendulum (or of the screw) forms part of a circle of which the fulcrum is the centre. The bottom of this screw which rests upon the cylinder when the spectacle is let down, and determines the position of the latter, has a much wider circumference than the rider which performs the same service on the old machine. The latter used some times to obliterate the record when the operator could not quite or know the pin backward and raise the spectacle from the cylinder. With this new device, as soon as the machine starts, the screw is forced up and rides lightly in its suspended position without injury any

damaging the record. We call this screw the "pendulum bolt." It has a thread cut in it, and by turning it around on the pendulum, it can be adjusted up or down so as to regulate the depth of skip. You will observe that the adjusting screw on the right hand end of the spectacle has been limited in its movement within certain fixed points by putting a collar on it. The spectacle rests against this screw when the reproducer is being used. The play of this screw has been limited so as to prevent the spectacle from being pushed around so far to the left as to prevent the swing of the pendulum screw, and cause the latter to bind between the cylinder and its top bearing and injure the record. The improvements in this machine, as compared with the old adjustment, will be at once apparent. The device used in connection with the latter, known as the "universal joint-screw" was defective, for the reason that when the spectacle had been brought down into position, the force exerted to lock the movement acted directly on the spectacle, and if this pressure happened to be downward, too thick a skip was taken, or if upward, the skip was too light. In looking the new adjustment there is no pressure brought to bear which can in any way change the position which the spectacle occupies and which is determined by the pendulum, all the pressure being exerted upon the bolt which runs through the front of the spectacle and which rests upon the straight edge.

-5-

DIRECTIONS FOR SETTING UP BATTERY

... frame containing copper plates to middle of jar, first turning round ...

COMMUTATORS. The commutators of the old machine were made with mica insulation. The layers of mica were built up with shellac. We found that in time the shellac worked out and distributed itself over the surface of the commutator. If you will wash the commutators of your old machines with a little alcohol, I think that you will find that their action will be greatly increased.

In the commutators of the new instrument, we have discarded mica and are using vulcanized fibre, thereby eliminating the trouble above referred to.

... clean the battery connected. Emery paper will do this, ...

... will have increased on itself from about ...

sufficiently through the Thermopile ...

N.B. Do not short circuit longer than necessary as it will cause great waste in battery.

DIRECTIONS FOR SETTING UP BATTERY

Set frame containing COPPER PLATES in middle of jar, first turning round strip of copper at bottom of frame until it is at right angles with the frame.

Place on either side of frame one stick of SODA and fill up with water to within 2½ inches of the top of jar.

Pass brass rods of both ZINCS through the two small round holes in cover and attach them to the DOUBLE CONNECTOR, care being taken that they are set parrallel to each other, and to the Copper Frame.

Place cover (with zincs attached) on jar in such a position that the two extremities of copper frame pass through the two large holes in cover.

Connect up in series, i.e., the zinc of one cell to the COPPER of the next cell and pay particular attention that the zincs of the copper frame, and the brass rods of the zincs, are quite clean at the points where they are connected. Every care will be this. Short circuit, i.e., close the battery on itself from about 10 to 20 minutes, when the current will have increased sufficiently to run the Phonograph.

N. B. Do not short circuit longer than necessary as it will cause great waste in battery.

June 11, 93.

Col. George E. Gourand,

Little Manlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I am sending you per S. S. "City of Paris" to-morrow, four cells of the new battery about which I have previously written you. These four cells will operate one phonograph. Attached to the set of instructions in regard to the new adjustment of the phonograph, you will find directions for setting up and starting these cells. For the present please do not exhibit this battery so as to risk the publication of any of its details. Keep it for your own private use.

Yours very truly,

June 11, 1880.

Western Bureau Company,

Gustav Stromberg, Secretary,

33 Broad St., New York.

Dear Sir:-

I have to acknowledge receipt of your letter of the instant, covering Certificate No. 77, for 50 shares of the stock of your Company in my name.

Yours very truly,

June 11, 1890.

Lewis S. Clark, Esq., Vice-President,

Western Pennsylvania Phonograph Co.,

140 Fifth Ave., Pittsburgh, Pa.

Dear Sir:-

I beg to acknowledge receipt of your letter of 9th instant, enclosed in two batteries. I am quite aware that the first batteries sent out with the phonographs are unsatisfactory, and it was never my intention that they should be adopted permanently. I have experimented for over a year to obtain a reliable battery with a long life for the phonographs and you will be pleased to know that I have been successful. These experiments were not concluded in time to enable me to send the new batteries out with the first phonographs which we supplied, but we are making every effort to furnish them in the shortest possible space of time. We have erected a new factory for their manufacture and are equipping it, and the various Phonograph Companies will be notified by circular as soon as we are ready to supply the trade. We will make these cells in different sizes, proportionate to the

life requires, the maximum being six months. The smallest size (4 cells to a battery) will run the phonograph four hours per day for 30 days, and then by adding a little fresh water, will run 30 days longer.

In regard to this question of motive power, something has occurred to me which may not have been thought of by yourself and others, and which I think you might find desirable to put into effect in Pittsburgh. I refer to establishing phonograph exchanges for your customers. You could place a small dynamo at your convenience, say, then it run out telephone wires to your customers, putting 50 machines on each circuit and using as many circuits as the requirements of your business necessitate. The investment would be very small and the maintenance very slight, so a boy at a $1.00 a day, could take care of your dynamo and engine. You are probably aware that we can supply you with motors using the electric light circuits. These will probably be found most desirable by some of your customers.

Yours very truly,

June 11, 1889.

My Dear Hix,-

It will be quite impossible for me to make a personal exhibit at the St. Louis Universal Electrical Exhibition which is to be held at St. Louis, Mo., commencing September 4th, 1889, for the reason that all my apparatus is in Paris. I think that the whole might come to St. Louis quite satisfactorily.

Yours very truly,

W. Preston Hix, Esq.,

New York City.

June 11, 80.

Messrs. Eaton & Lewis,

New York City.

Dear Sirs:-

I enclose herewith notice from the Comptroller of the State of New Jersey, to the effect that the Edison Phonograph Co. has been taxed $1,200 on its capital. No reference is made to the affidavit which Mr. Edison submitted, and which perhaps may not have reached the Comptroller.

Yours very truly,

Private Secretary.

June 11, 1889.

Messrs. Dyer & Seely,

40 Wall St., New York.

Dear Sirs:-

Mr. Edison desires to obtain copies of all patents covering the Schuyschleff battery, and also desires to know if any assignment of these patents has been made to parties in the United States. In other words, who the present owners of the patents are, or if any licenses have been granted thereunder.

Yours very truly,

Private Secretary.

June 11, 1880.

Major S. S. Eaton,

120 Broadway, New York.

Dear Sir:-

I enclose herewith draft of our regular Phonoplex contract, covering the use of Mr. Edison's Phonoplex System of Telegraphy. The amount which we charge for royalty is $100 per year, per circuit, regardless of the number of offices included in the circuit. For instance, if we equip a wire between New York and Philadelphia, establishing communication between those two points, our licensees could equip any number of intermediate offices on this wire and our royalty would still remain the same, $100 per year.

I also send you herewith copy of my letter to Mr. Charles Belden, Gen'l. Sup't. Telegraph, Baltimore & Ohio R. R., under date March 22nd., 1880, together with his letter to me dated April 15th., 1880, both of which relate to a new contract which I wish to have prepared between Mr. Edison and the B. & O. R. R. Co. Everything in the old contract remains unchanged, except the charge for

S. B. E. -3-

royalty. We desire to make a special arrangement with this Company, whereby they will pay us $20.00 for each complete set of Phonoplex instruments used upon their lines. Thus, if they had a wire between New York and Philadelphia and we established communication between those points, we would charge them $20.00 per annum for the instruments employed at New York and $20.00 for those employed in Philadelphia. If they were to include any intermediate offices, we would charge $20.00 for each set of instruments used between the terminal stations.

Yours very truly,

Private Secretary.

June 11, 89.

W. W. Jacques, Esq.,

90 Hill Ste, Boston, Mass.

Dear Sir:-

I beg to confirm the following telegrams received from you and sent by me:-

A. O. Tate. Boston, June 8, 1889.

"Have concluded the negotiations. Will call on you Monday. W. W. Jacques."

A. O. Tate. Boston, June 8, 1889.

"Directors Stevens and Field will go in my stead and would like to meet Mr. Edison. Can he see them and Hutchinson Tuesday or Wednesday? If not, when? Answer. W. W. J."

W. W. JACQUES. June 8th, 1889.

"Mr. Edison will be very glad to see your Directors Wednesday next. A. O. T."

Yours truly,

A. O. T.

Private Secretary.

June 11, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams sent by me and received from you:-

THOS. A. EDISON, NEW YORK. June 6, 1889.

"Did machine leave yesterday?"

GOURAUD, NORWOOD. June 8, 1889.

"New machine unavoidably delayed Wednesday next."

Yours truly,

Thos. A. Edison

June 12, 1889.

My Dear Dyer,-

I enclose herewith a letter which I have received this morning from Col. Gourraud, in regard to English phonograph patents, Cases 86 & 87, together with two reports made by Sir Fred'k. Bramwell, under the headings "Case 86 Patent No. 12,593 of 1st of September, 1888," and "Case 87, Patent No. 12,594, of 1st September. 1888."

Mr. Edison is out of town and will not be here until to-morrow. Col. Gourraud states in his letter enclosed, that it is of the greatest importance that these documents should be considered immediately, as they have to be returned ~~[illegible]~~ in time for filing by the 20th June. Otherwise the patents will be lost. To avoid any delay, therefore, I send all the documents to you by Dr. Schulze Berge. In a separate package he will hand you a number of documents, which I believe relate to the graphophone and to claims of Arnera and Berliner. I have cabled Gourraud, as he requests, advising him that these papers have arrived. Will you kindly give them the attention which they require.

Please acknowledge receipt. [illegible]

Yours truly,

Private Secretary.

June 12/89.

Chas Batchelor Esq
Edison Phonograph Wks
Orange N.J.

Dear Sir: I enclose herewith a letter from W. O. Wiley which explains itself. I have written Mr Wiley to return at once to this Laboratory the Phonograph parts which he states are in his possession, and have given him until Saturday next 15th inst. to do so. If they are not here by that time I will take other steps to recover them. The Chief of the Orange Detective Bureau has

C. B. Patten

Mary be with the Wiley's letters please return

called upon me twice in regard to material which he believes is being taken from the Phonograph Works by some one. He has not had sufficient information to locate the persons, and I have kept the matter quiet so as to give him a chance to work. I believe that the parts in Wiley's possession were taken by him when he worked in the Laboratory. I doubt if he got any of them from the Phono. Wks then, on since his discharge but I give you the above information for what it

4 o'clock p. m.

Thomas A. Edison, June 11, 1889.

Bethlehemville, Pa.

Berg has started for Bethlehemville with required apparatus.

Ramsire.

June 12/89

C. J. Wiley Esq
Hotel Columbia
Ocean Beach N.J.

Dear Sir:

Mr Wainwright has handed me your letter of todays date in which you state that you have in your possession all the parts of a phonograph excepting a transmitter and receiver.

You will please return these parts to this Laboratory at once. I shall expect to receive them not later than Saturday next 15th inst.

Yours truly Thos A. Edison

June 17/89

Col. Geo. E. Gouraud
Little Queen St
London Eng.

Dear Sir: I confirm the following cable sent you this morning

"Gouraud
Norwood
Patents.
Edison

which means that your letter and papers relating to Cases 86 & 87 have been rec'd. They came to hand this a.m. and will receive immediate attention.

Yours truly
T. A. Edison

June 1879

My Dear Mr. Edison

Wangemann told me this morning that you had instructed him to engage passage to Europe on Saturday next 15th inst and went to ship to secure it. I have telegraphed you for instructions in view of your proposed absence. If you want Wangemann to go I can give him the necessary letters to Sommerfeld and Hammer. I presume you want the former to arrange facilities for Wangemann to get records

outside of Paris. If you write me tomorrow a few words outlining your ideas I will prepare the letters — or I can give him a letter to Hammer and the Gourraud letter can follow by next steamer.

All Gourraud's material went today Baldwin's Express S.S. City of Paris. Cylinders sent exactly as you directed and instructions as dictated by you AGB

Tuesday

My dear Mr. Edison:

I confirm the following telegrams sent you today to Beechtolville

"Day day next week will
" answer Howe telegraphic
" postponement to Boston
" You can name day when
" you return. Mrs Edison
" says all right Everything
" O.K. here."

also

"Wangemann said this morning
" he was instructed by you to
" take passage for Europe on
" Saturday next and went to
" secure it. Shall I detain him
" or will you advise me what
" instructions you wish given"
" He means have to go aboard that day
" night as steamer sails six a.m.

J. P. Morgan

June 12, 88.

The Edison Phonograph Toy Mfg. Co.,
88 Milk St., Boston, Mass.

Dear Sirs:-

I beg to confirm the following telegram sent you to-day:-

"Mr. Edison unavoidably and unexpectedly detained in Pennsylvania and cannot get back this week. I must therefore ask your Directors to postpone visit until next week, when will be glad to consult their convenience. A. O. Tate."

Yours truly,

Private Secretary.

June 15, 80.

Major S. T. Eaton,

120 Broadway, New York.

My Dear Sir:-

Mr. Hutchinson, the Attorney of the Edison Phonograph Toy M'f'g. Co., will call upon you to-morrow morning, and submit drafts of the new contracts which are to be entered into between Mr. Edison and that Company. I enclose herewith copy of the memorandum which is the basis of the contracts above referred to. I would call your attention to the following points:-

(1) The memorandum last named provides that Mr. Edison is to receive one-eighth (1/8) of the Capital Stock of the Toy Phono. Co., which proportion is to be maintained, with respect to any further increase, so long as Edison retains the stock so issued to him. It also provides that Mr. Edison's holding of stock is to be at least forty per cent (40%) greater than the number of shares issued to Madden and Gilliland, or sold to settle their claim. The Capital of the Toy Phono. Co. is to be increased to One Million Dollars, one-eighth of which is $125,000. The giving of

S. H. E. -2-

Mac[illegible] and Gillland, however, is to be settled by issuing to them 10,000 shares of stock, and Mr. Edison is, therefore, entitled to 1,500 shares in excess of the one-eighth of the Capital referred to, or in all, Fourteen thousand shares. In regard to that part of the memorandum which provides that Mr. Edison is entitled to one-eighth of any future increase, "So long as Edison retains the stock as issued to him," the contract which Mr. Hutchinson has prepared provides that Mr. Edison shall be entitled to this proportion of any increase of capital so long as Mr. Edison holds one-eighth of the whole capital stock of the Company. This leaves the 1500 shares above referred to free, which is very desirable, in order to enable Mr. Edison to qualify the representative there he has the right to place on the Board of the Toy Phonograph Company.

(2) Mr. Edison agrees to give the Toy Phono. Co. his future inventions pertaining to toy phonograms be made during a period of five years from the date of the execution of the agreement now contemplated. Mr. Hutchinson has prepared a new form of License, in which he covers this point, and he has also prepared a manufacturing contract. This manufacturing contract is to continue in force during the life of the license, and when Mr. Hutchinson read the manufacturing contract to me to-day, it struck me that that portion of it relating to improvements in methods of manufacture &c., covered broadly Mr. Edison's future inventions referred to above, which, if I am correct, would cover much inventions made

S. H. M.

-4-

during the life of the patent, or in other words, for an indefinite period. This requires to be adjusted, so that the exclusive use contract and the license will terminate, and cover Mr. Edison's future inventions for a period of five (5) years only.

(3) In all my negotiations with the Toy Phonograph Co., I have carefully avoided the discussion of their business in Mr. Edison's or the United States. The goods which we are putting through in the foreign countries only, and the stockholdings Mr. Edison receives is given him in consideration of the new licenses which he grants the foreign countries. I mention this, so that care may be taken that Mr. Lippincott can in no way have a claim for any portion of these considerations.

(4) In the manufacturing contract, Mr. Edison agrees to manufacture toy phono. goods, the price to be charged for which shall include labor, material, general expense, and a manufacturer's profit upon the cost of some three or twenty per cent (20%). Mr. Edison is to have a royalty of 20% on this price. Mr. Hutchinson has expressed that he objects to the manufacturing contract, in view of the fact that it yielded a royalty to Mr. Edison on the absolute cost of the machines - that is, the cost, less the manufacturer's profit of 20%. This claim should be merged in conform with our understanding, which is a royalty of twenty per cent (20%) on the price at which the machines are delivered to the Toy Phono.Co.

A. O. T.

(5) Mr. Edison desires to manufacture the [illegible] parts of these [illegible] in the United States and [illegible] to be [illegible], [illegible] in a factory, or factories, which he will establish in Europe. I would call your attention to the first clause of the contract between Mr. Edison and Lowell C. Briggs and Wm. W. Jacques, under date 1st of October, 18[illegible]. Mr. Edison's rights under this contract were assigned to the Edison Phonograph Co., and are now vested in Mr. Lippincott. The clause referred to gives Briggs and Jacques "The sole and exclusive license and right to manufacture and sell within the United States for consumption and use therein, and to manufacture within the United States for use and consumption in foreign countries, &c."

The second clause of this contract secures to Mr. Edison (now Lippincott) "a royalty of ten per centum, on the selling price, whether wholesale or retail, of each and every article manufactured and sold by them pursuant to this license." The question now is, if Mr. Edison manufactures the parts of the toy phonograph movement in the United States and assembles them abroad, can Mr. Lippincott claim the royalty of ten per cent (10%) above referred to?

(6) In the manufacturing contract prepared by Mr. Hutchinson, he has a clause which provides that if any reliable manufacturer offers to make toy phonograph movements at a lower price than that charged by Mr. Edison, the Toy Phono. Co. will have the right to accept it and cancel the orders given Edison. This provision is

[illegible]

(2) In [illegible] the manner in which the issue of [illegible] is to be [illegible] Mr. [illegible] has covered the ground fairly well, but it seems [illegible] a great deal which is unnecessary. The business could be more simple if it provided for labor, material, general expense and a manufacturer's profit of 20%. It is impossible to a contract to define accurately all the charges which go to make up general overhead, and the right given the Ordnance Dept. to inspect the books and contracts and methods of accounting at the cost of the manufacturer, is thought to be undesirable, and [illegible] the Ordnance Dept. from any possibility of [illegible].

With the changes which I have suggested, and with such other changes as may be found desirable in order to protect Mr. Hilton, the contract will be in form to submit to the latter, and I shall be glad to receive your views thereon.

Mr. Hilton has [illegible] the [illegible] of an agreement covering the [illegible] of [illegible] in the United States. Personally, I presume, he would rather this agreement should not be [illegible] at the present time, but [illegible] Mr. Hilton [illegible] not [illegible] if matters that foreign business can be settled, we would be more [illegible] and [illegible] with Mr. Lapidoutt with respect to [illegible].

Yours very truly,

Private Secy.

June [illegible], 1889.

Major S. B. Eaton,

120 Broadway, New York.

My Dear Sir:-

Referring to the agreement between Mr. Edison, and Lowell C. Briggs and W. W. Jacques, under date 1st day of October, 188[illegible], and to Mr. Edison's various agreements with Mr. Lippincott and the Edison Phonograph Company, now in your hands, will you kindly let me know if Mr. Lippincott, or the Edison Phonograph Co., has any claim upon Mr. Edison's future inventions pertaining to speaking dolls, or if Mr. Edison is free in that respect?

Yours truly,

Private Secretary.

June 13/89

Mr Edward Knight:

Enclose herewith the following notes of the Edison Phono. Co. Ltd:- all to the order of Thos: A. Edison at four months

(1) June 12th $5000 due Oct 15th/89
(2) " " " " " " "
(3) " 13th " " " 16th/89
(4) " " " " " " "
(5) " 14th " " " 17th/89
(6) " " " " " " "
(7) " " " " " " "

In all $ 35000.

Our total note indebtedness at the present time, including the above is $ 242,173.17 Cts.

Randolph, who takes this note goes to town early and I can't get Comparative Statement and

Statement of notes to you by him but will send them in later in the day.

Randolph will be my back check for $15,000 franised by Chapman

Jos Wolfe

June 14/89

Nagroschinn & Co
361 Broadway
New York

Dear Sirs: Replying to your letter 17th inst., to Mr. Edison, who is at present absent, if you send a representative to Willetts Point N.Y. to see Mr W. S. Sims the latter will I think be glad to extend to you the privilege of examining the Edison-Sims Torpedo Boat.

Yours truly

A. E. Dolbear

Pt Sean

Copy

New York, June 8/87

Thos. A. Edison, Esq.
Orange, N.J.

Dear Sir:

We beg to advise that we have received

95 $\frac{3750}{1000}$ Shares Edison Gen'l Elec. Co. Stock
1862 " " " " " "
49 $\frac{9583}{1000}$ " " " " " " Trust
975 $\frac{33\ 1/3}{100}$ " " " " " "

in exchange for your

54 $\frac{50}{1000}$ Edison Electric Lt. Co. " deposited
1064

We credit [illegible]

$\frac{3750}{1000}$ [illegible] @ 100 = $9750
$\frac{9583}{1000}$ " " 95 $\frac{83}{100}$
$\frac{33\ 1/3}{100}$ do " 3 $\frac{33}{100}$

We enclose herewith [illegible] according to the advice [illegible]

(Signed) [illegible] & Co

June 14/89

Dear Miss Spalding:

Mr Edison [illegible]
me to thank you for your very
kind letter 12th inst. [illegible] to express
his appreciation of the valuable assistance
you have rendered in promoting
a readjustment of the affairs
which he discussed when you
were in Orange.

The gentlemen whom you name
came to the Laboratory yesterday,
Mr Edison unfortunately being
absent. They are coming again
on Monday, and I confidently
anticipate the restoration of
harmonious relations between
Mr. Edison and the Company
and that the former will extend
his cordial co-operation in further

the best interests of the Dry Pharmacy business.

Am with much respect

Sincerely

A. H. Lea

Mrs. J. T. Spalding
Atlantic House
Marblehead Neck
Mass

Rec'd
S.S. Servia
June 15th

Thos. Patents
England
Cases 86 & 87

June 14/89

Col. Geo. E. Gouraud
Little Menlo &c
England

My dear Sir:

Upon receipt of your letter 31st ult., already acknowledged, I immediately referred it and the accompanying papers to our Patent Attorneys Messrs Dyer and Tully, who advise me under date 13th inst that they "have written a letter to "Col. Gouraud, which will be "mailed to-day returning the "papers with our answers "to the criticisms."

This letter will catch the Servia, out tomorrow,

cant I have therefore cabled
You this morning as requested
"Patents Service fifteenth"
Which I now confirm, and
trust the papers will reach
You in good season.

Yours truly

Thos A Edison

James 14/89

Everett Frazar Esq
"1221 Water St
New York

Dear Sir: When I was last in your office you said that your Yokohama House was considering the formation of a Company to handle the Phonograph.

It is proper to advise you that Mr. Edison in placing his Phonograph interests in China and Japan in your hands contemplates only yourself and your own organization, known

to us as Frazer & Johnson; that the contract to be given you will not be assignable, and that any proposed disposition of the business involving its withdrawal from your hands must be the subject of negotiation between yourselves and Mr. Edison.

Yours truly

A. E. Stevenson

Elwood Leeg

June 13, 1880.

Messrs. Drexel, Morgan & Co.,

New York City.

Dear Sirs:-

I beg to acknowledge receipt of your letter of 11th instant, informing me that you delivered to Mr. Samuel Insull, in accordance with my instructions, 1882 shares of Edison Gen'l. Elec. Co. stock, and 223 Edison Gen'l. Elec. Co. Trust stk. certificates, the same being the collateral held by you against my note of Sept. 24th., 1880; also stating that you have debited the note to my a/c.

Yours very truly,

T. A. Edison

13th June 89

Dear Mr Lippincott

Can you possibly let me have $2,000 for the Edison Phonograph works on account of Phonographs delivered. I have been twice to see you today but ~~could~~ did not find you in. I have a large amount of money to provide for the Phonograph works for we commence work Saturday & if you can help me out I shall always be grateful. Yours

have shipped upwards of
1000 Photographs to date
Lindenberg.

Please also let me
know by return (Mill Road)
whether I can see you
at your office about
4 to 4.30 today

Yours very truly,

[illegible]

Dear Mr. [illegible] Esq

June 14, 89.

Carl Weiner,

Seidl's Orchestra,

Chickering Hall, New York City.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:

"Don't come out to-day. Have no engagements."

Yours truly,

Seidl

June 14, 80.

Louis Glass, Esq., Gen'l. Manager,

Pacific Phonograph Company,

San Francisco, Cal.

Dear Sir:-

I have received your letter of the instant.

I am aware that the battery put out with the first phonographs is imperfect. I knew this when it was put out, but the North American Phonograph Co. brought such great pressure to bear upon us, that we were obliged to put out the phonograph, and as my new battery was not perfected at that time, I had to use the temporary cells which are now in your hands. I have a new battery, which will be made in various sizes, proportionate to the life required, the smallest being six months. The smallest size, will run the phonograph four hours per day for a month, and by making small rates at the end of that time, it will run for a month longer. We are doing everything that is possible to do to get these batteries out of the smallest possible dimensions, as we have a very lively appreciation of the disadvantage of such a

L. S.

and other machine work with machines.

You have discontinued me in regard to dynamo circuit. My suggestion is, in this connection, that you get the telephone co. to run some wires for you, or run them themselves, and establish phonograph circuits. At some convenient place you can use a small dynamo, driven by a gas engine, or by steam power if you prefer, and supply these circuits with current. You could continue yet a small phonograph engine in the meantime. The cost of these will be very slight, and it would not cost much to run the wires mentioned above. I suggest a gas engine, because a boy could attend to it, which might not be the case if you used steam power.

I do not discourage the use of transmitter circuits. My opinion is, that when the new battery is sent out, the motor machines will be more valuable relatively, and I told you to go light on transmitter circuits.

You are, of course, at liberty to order any kind of machines you please, but that plan which you find best adapted to the requirements of your customers is the one which you should order.

I am very much taken with the idea of a dynamo circuit, and I would like to assist you up and get a line in operation. The satisfaction which your customers would derive from such a system, and the increase of business which I believe it would bring to you, would repay the expense you for the trifling expense necessary to install the plant. The Bell's money is owed for the original idea of its inventor and for the vigorous manner in which Gray

L. d.

-2-

develop a useful novelty, and when I signed your letter under re-
ply, I expected to find that you had already acted upon my sug-
gestion introduced to a dynamo circuit, and had forwarded us a re-
port expressing your satisfaction as to its operation.

Yours very truly,

Thos A Edison

375

June 11/89

H. Sterlz Esq.
New York Herald
New York:

Dear Sir

Thursday June 20th 1889 the date you suggest for your visit to the Laboratory is quite agreeable to Mr Edison.

Mr Wangemann sails for Europe tomorrow, Saturday, so will be unable to be present.

The Phonograph will be on exhibition, ask for Mr A. O. Tate, Mr Edison's secretary on your arrival.

Yours truly.
T. D. Miller

June 15th 1889

Geo P. Kingsley Esq
Orange N.J.

Dear Sir

I beg to enclose you herewith Mr Edison's check for $6500.00 being payment on Kent property.

Please acknowledge receipt and oblige

Yours truly
A. O. Tate
Private Secretary

June 13, 80.

George W. Van Siclen, Esq.,

7 Wall Street, New York City.

Dear Sir:-

Mr. Edison has received the letter of the Holland Society of New York, addressed to him by yourself, and desires me to say that it will give him pleasure to become a member of this Society.

Yours very truly,

Private Secretary.

June 15, 20.

Mr. Philip H. Dorr,

Antwerp, Belgium.

Dear Sir:-

We have received your letter of 7th June.

We shall have written you before in reply to the property which you claim to own for sale at Upton Park. We might say that during the impression that you were on the ocean, on your way to America, we visited Upton and were informed by Mr. Upton. Mr. Dorr said he is. It is approximately value that land. It is more than Hampton & Co. [illegible] Flats property in New York City. The laboratory property has not been [illegible] yet. I shall be glad to know the details of your property that may be of interest to us.

Yours truly,

June 17, 1920.

Samuel Insull, Esq.,

10 Rue St., New York.

Dear Sir:-

I enclose herewith a statement, showing the amount of note indebtedness of the Pilsen Electric Works, for March 1st, April 1st, May 1st and June 1st, 1920, the same also, respectively, $128,618.83, $148,823.00, $173,848.37, $214,884.33.

I also enclose herewith statement of bills payable by same for months. They have been made up on Friday, for the reason that notes payable on that day are due Saturday. I have not a larger item, as I have you see in a hurry for the statement. You will observe that we have no notes maturing, as you, during the month of September. We hope, from making notes for open accounts our bank, as we can take care with less by 10 per ct. The total note indebtedness, $545,000, includes the paper last and this year, $45,000, and the $10,000 indebtedness of Pilsen to Pilsen, for which I have notes that I am holding in our vault. We do not to take up more than without on the books of the Electric Works also $1,000 that I advanced for Mr. Eckert to Pilsen Works, and which I am also holding here.

Mr. M.

To get at the total note indebtedness today, there should be deducted from the grand total, as shown on the attached statement of $[illegible], [illegible] the week ending tomorrow for [illegible], namely, $[illegible], [illegible] the present [illegible].

I expect to the present week will [illegible] I have to receive yet from the [illegible], $10,000 of which [illegible] to you. I propose, to cover the [illegible] which you see as, on the [illegible] side. This will give us $10,[illegible], which is about $2,000 less than the amount necessary to cover bills payable maturing next week. It covers everything, however, up to Friday night next, and gives us the [illegible] week to prepare for Saturday, 23d instant.

Mr. Hiller has just telephoned me, asking that you send a statement of our open accounts. I will have a [illegible] meet on Monday, when I will send this statement to you.

Yours very truly,

June 15, 90.

Samuel Insull Esq.,

16 Exc St. New York.

Dear Sir:-

The exact amount of the mortgage on Mr. Kelman's house is, $30,000, carrying 5% interest. We have never had any payment of this mortgage on our books, and I had to see Mr. Kelman before I could [illegible] the mortgage.

[illegible]

[illegible]

June 16, 1[illegible]

Louis Black, Esq.,

Pacific Phonograph Co.,

San Francisco, Calif.

Dear Sir:

In reply to your letter of the 1[illegible], I am [illegible] very unsatisfactory experiences with the phonograph, [illegible] in regard to the [illegible] use. For a physician to have use of this [illegible] is quite [illegible] for him to have a dictaphone [illegible]. I have a very small practice, which has made for my own use, [illegible] is the only one in existence, and [illegible] not prepared to make them in our factory. This is the reason [illegible] the problem you state, Mr. Mr. Black, [illegible], and, as I have said, it is not practicable to supply them at the present time.

Yours very truly

[illegible]

[illegible], 1[illegible].

Winfield S. Hutchinson, Esq.,

Murray Hill Hotel, New York City.

My Dear Sir:-

Replying to your letter of yesterday, I have seen Mr. McCurdy, and he says that he will be very glad to see yourself, Mr. Stevens and Mr. Platt, on Monday. Should anything occur to alter this, I will notify each of you promptly, and in maple time.

Yours truly,

Private Secretary.

The chairman Eaton will be
[illegible] on Thursday [illegible]
[illegible] [illegible]

June 16, 1[illegible]

Francis [illegible], Esq.,

Wilson Lamp Co.,

Harrison, N. J.

Dear Sir:-

Mr. Balmer called at the Laboratory the other day, in regard to [illegible], Mr. Balmer was busy in connection with the new Electric Light Dept., and also with reference to the transfer of the Law Dep. stock, which was unable to exchange in the [illegible], the Secretary of the Balmer Health Company not being ready to make exchange. I am unacquainted with the details of the arrangement of Mr. Balmer and others have to pay Mr. Balmer money, and I, therefore, advise you or Mr. Balmer to deal, as you are, of course, familiar with the [illegible].

Mr. Balmer was [illegible] when I [illegible], and as Mr. [illegible] and [illegible] were not here, I [illegible] to let matter [illegible].

Yours truly,

[illegible] Secretary.

June 17, 40.

W. G. Perry, Esq.,

Consolidated Petroleum & Stock Exchange,

New York City.

Dear Sir:-

I beg to acknowledge with thanks receipt of your check for $3,250, in payment for 40 shares of Western Pioneer Co. stock; also receipt of Certificate No. 70 of the Western Pioneer Co., for 20 shares of their stock, in my name, the remaining balance due from Certificate issued you the day before yesterday by Mr. Cate.

Yours very truly,

June 15, 20.

Jno. F. Fitzgibbon, Esq.,

Orange, N. J.

Dear Sir:-

I enclose herewith agreement for the sale of property between the executors of Chas. Farrand and Thos. A. Ketson, dated May 3rd, 1920, which I told you yesterday I would forward you, so that you could have the surveyors run the lines of all the property which Mr. Ketson is purchasing and has purchased in Silver Lake. The deed for the Roper property, upon which Mrs. Roper has a mortgage, was given Mr. Roper with all the other papers, I believe, in your hands. And I am under the impression that you will find it somewhere in your files. If not, I am sure you could get Mr. Roper for it. Was there lines ever after run, Mr. Ketson is particularly desirous of having the dividing line between the Roberts, of Woodcliff and Bellaville, which cuts about the center of the Farrand or Park properties, staked out in such a way that he can know what he has. The surveyors stake, of course, disregard the location of the other properties, but I know he will be satisfied if we can do this for him, and it is quite a convenience to him.

G. P. O.

[illegible]

[illegible]

[illegible] Secretary.

See attached copy of my letter to you of 8/8/88. The Eagle Lodge of Indians returned to us, with certificates, and then given up the keys of the meeting house.

June 17/89

Gustav Stromberg Esq
Newman Furnace Co
73 Broad St
New York

My dear Sir: When I last saw you did I ask you for a list of your stockholders? I intended doing so. Will you kindly send me such a list as early as practicable and greatly oblige

Yours truly

[illegible]

P. S.

April 17, 1[illegible]

Mr. William [illegible]

Fort Myer, Va.

My Dear Sir:-

In further reference to your letter of [illegible] you are [illegible] that Mr. Edison has nothing whatever to do with Mr. [illegible]'s lease of [illegible] property in Mt. Morris. Does the matter still [illegible] Mr. [illegible] [illegible] alone. If you have [illegible] Mr. [illegible] [illegible] please send [illegible] Mr. [illegible] [illegible] above.

Very truly [illegible]

[illegible] Secretary.

June 17, 30.

Major S. B. Eaton,

120 Broadway, New York.

Dear Sir:-

I enclose herewith draft of letter for Mr. Reginald Gray, in regard to Hornsey stock. In the first part of this letter I have said more than was really necessary, but have done so simply for the purpose of elaboration - my idea being to give the impression that I desire to submit freely and fully all information, and that I have gone a little out of my way to do so. Kindly let me know if you approve of this letter?

Yours truly,

Private Secretary.

June 17, 1[illegible]

Mrs. Wilson,-

I have written Mr. [illegible] at your request, in regard to his estimate for painting the buildings in Mt. Ayers.

I have received [illegible] you Reynold's list of "Brown and Villa" paints. Do I understand that you want these buildings painted in the color which you have [illegible] [illegible] I presume the supplies will not be sent Mr. [illegible] until we hear from him again. Thank you I will help Reynold's list for reference when ordering the goods.

June 17, 80.

Col. Geo. E. Gearing,

Little Heale, Upper Norwood,

Surrey, England.

Dear Sir:-

I have just received this morning your letter of 6th instant, in regard to Cases 86 & 87, enclosing copies of letters to yourself from Mr. Harrington, your English Patent Agent, of 4th & 5th instant; also your letter of 31st ult., relative to Cases 86 & 87, attached to which I find (1) copy of letter from Mr. Harrington under date 1st inst. to yourself; (2) copy of letter to Sir Fred'k. Bramwell under date 28th ult.

Upon receipt of your former communications relating to these Cases 86 & 87, as I have already advised you, I immediately forwarded everything to my Patent Attorneys, Messrs. Dyer & Seely. They digested the evidence &c., and returned everything to you by E. H. PUERVIA, 16th instant. I am now sending to Messrs. Dyer & Seely the letters acknowledgment forms and promise if it is necessary for them to see everything further to you, they will be able to communicate with you by steamer sailing tomorrow or next

Dyer & Seely,
Patent Agents,
&c.,

June 17, 88.

Mr. Thomas Butler,

Edison Machine Works,

19 Dey St., New York.

Dear Sir:-

I enclose herewith 5 four months notes of the Edison Phonograph Works, for $5,000 each, made payable to the order of Thos. A. Edison, and endorsed by the latter, three of which bear date June 15th, and two June 16th, 1888. Kindly acknowledge receipt and oblige

Yours truly,

June 18, 1889.

Societe Internationale des Electriciens,

44 Rue de Rennes, Paris, France.

Dear Sirs:-

Mr. Edison desires me to acknowledge receipt of your kind letter of 30th ultimo, enclosing a personal card of invitation for the National Congress of Electricians, to be held in Paris 24th-31st August next, and to say that it will give him much pleasure to accept the same if it be at all practicable for him to do so at that time.

Yours very truly,

Private Secretary.

June 18, 1880.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

It is very necessary that we should know at once whether you can make use of any of the insulating compounds which we have made for you, samples of which are already in your hands, or if not you should indicate which of them you prefer.

Yours very truly,

EDISON LABORATORY

By

June 18, 80.

Messrs. Dyer & Seely,
New York City.

Dear Sirs:-

Have you considered the opinion of patents covering the Schmucklich battery, in regard to which I wrote you 11th inst.? Mr. Edison desires to be placed in possession of these at the earliest possible moment.

Yours truly,

Private Secretary.

June 18, 80.

J. W. Sargent, Esq.,
11 Murray St., New York.

Dear Sir:-

I beg to acknowledge receipt of your check No.3256, covering $20.00, for which I am much obliged.

Yours truly,

June 19, 1890.

Reginald Gray, Esq.,

60 Devonshire Street,

Boston, Mass.

Dear Sir:-

I have before me this morning your letter of 24th ultimo, asking, on behalf of Mrs. Hemenway, information respecting the Edison Phonograph Company, an answer to which has been delayed owing to my absence from Orange. I take pleasure now in complying with your request.

In order that you may intelligently understand the manner in which the Phonograph business throughout is conducted at the present time, it is necessary for me to inform you that the contract between Mr. Edison and the Edison Phonograph Company, whereby the latter acquired the rights which it possesses, gave to Mr. Edison the exclusive right to manufacture phonographs and supplies for sale in the United States and Canada, the articles so manufactured to be delivered only to the Edison Phonograph Company or its nominee - or in other words, the Company contemplated marketing the articles manufactured for it by Mr. Edison.

These manufacturing rights were last year assigned by Mr. Edison to a corporation called the Edison Phonograph Works, and the latter created large factory buildings in Orange, and equipped

them for a capacity of two hundred complete phonographs per day. At the present time they have made delivery of about twelve hundred instruments, many of which are I believe already in the hands of the public, and giving good satisfaction, and they are continuing delivery at the rate of about two hundred and forty instruments per week.

With regard to the affairs of the Edison Phonograph Company, probably you already know that Mr. Jesse H. Lippincott, representing the North American Phonograph Company, purchased all the stock of the former, excepting the shares previously purchased by Mrs. Hemenway; but I do not think you are aware that Mr. Edison arranged this sale in such a way as to protect Mrs. Hemenway from any possible loss. In the negotiations between Mr. Edison (representing in addition to his own holding, all the stockholders, excepting Mrs. Hemenway) and Mr. Lippincott, the total sum offered for the stock afforded an average price per share lower than the price paid by Mrs. Hemenway, which was inevitable in a transaction involving such a large amount of money and the sale of such a large number of shares. It was, therefore, impracticable to invite Mrs. Hemenway to participate in the sale, but Mr. Edison was unwilling to leave her to take the customary and ordinary risks pertaining to stock sold without guarantee, and he, therefore, made Mr. Lippincott an allowance out of the amount paid to

Mr. Edison by the former, equal to the sum paid by Mrs. Hemenway for her present holding, which, as I recollect it, was to be the price to be offered Mrs. Hemenway, should Mr. Lippincott desire to purchase, and she decide to sell her shares.

This will allay any fears which Mrs. Hemenway may have had as to the safety of her investment.

With your permission I wish to make a suggestion, which is that, I think it would be very desirable for yourself, as Mrs. Hemenway's representative, and Mr. Lippincott to effect communication with each other. Mr. Lippincott's address is, No. 160 Broadway, New York City.

Yours very truly,

Secretary,

EDISON PHONOGRAPH COMPANY.

June 16, 1[illegible].

Col. George F. Gardner,

Kenilworth House, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:

June 1[illegible], 1880.

T. A. EDISON.

Cable [illegible] for England
write "Saturday sure [illegible] and [illegible]
[illegible] American Company, has [illegible]
[illegible] Letter."

June 1[illegible], 1880.

General Horton.

Send details of [illegible], will forward data
American Company. Edison."

June 1[illegible], 1880.

General Horton.

[illegible] and Battery [illegible] at Paris
[illegible]. Edison."

Yours truly,

[illegible]

June 16, 1910.

Horace Townsend, Esq.,

624 West 113th Street,

New York City.

Dear Sir:-

On the 28th March last, I wrote you, requesting the return of the photographs which were loaned you for your article in the "Cosmopolitan Magazine," and as yet we have had no reply. At the present time we are very much in need of Innovator photographs, and I would be very much obliged if upon receipt of this letter you would kindly return to us the pictures above referred to.

Yours very truly,

Private Secretary.

June 10, 90.

Mr. Thos. Hart,

Rochester, N. Y.

Dear Sir:-

In reply to your letter of 11th ultimo, there is no position in Mr. Edison's business to which you could be appointed.

Yours truly,

Private Secy.

June 10, 90.

W. J. Hirner, Esq.,

Paris, France.

Dear Sir:-

I beg to confirm the following cablegram received from you this date:-

"Send Edison phonograph letter to Miss Edison; also carbon and hard cylinders, dozen extra batteries diaphragms and repair material."

Yours truly,

June 18, 1880.

Thomas H. Comery, Esq.,

c/o Messrs. Fox & Preble,

#147 Nassau St., New York City.

Dear Sir:-

Referring to my letter to you under date May 24th, 1880, a copy of which I enclose herewith, and which mentions two separate periods of three calendar months, during each of which you are to accomplish certain results, and referring more particularly to line No. 13, being the last line on the first page of this letter, which reads: "three months above referred to shall commence to run &c.," in order to eliminate all doubt as to which of the two periods of three calendar months is meant, please insert in my original letter the word "first," between the words "months" and "above," which will make the line read: "three months first above referred to shall commence to run &c."

Yours very truly,

Thomas Edison

June 18, 1889.

Col. George E. Gourraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I enclose herewith copy of a letter addressed to myself by Mr. Thomas B. Cormery, under date May 10th, 1889, together with copies of two letters, addressed by me to Mr. Thomas B. Cormery, under date May 28th, 1889, marked A and B., respectively; also copy of letter addressed by me to Mr. Cormery, dated June 18th, 1889, and marked C. The joint letter addressed to Mr. Cormery by you and myself was not dated. It was signed by me on the 7th day of November, 1883. Mr. Cormery desired me to fix the date from which would run the period of three calendar months allowed him to obtain from the Government of Mexico an exclusive license &c., and letter B was written for the purpose of fixing that date. Letter C is a communication which I have addressed to Mr. Cormery for the purpose of supplying an omission in letter B, that otherwise might render the latter a little ambiguous. Yours very truly,

Thos A Edison

June 20, 89.

Security Trust Co.,
[illegible] Dey St., New York.

Dear Sir:-

I enclose herewith check No. 76, of even date, on the Central National Bank, Newark, N. J., to your order, for Ten Thousand Dollars ($10,000), in exchange for your check for same amount bearing date [illegible].

Yours truly,

June 20, 89.

Mr. Butler,

Please give the bearer check for Twenty-five thousand dollars ($25,000), which you have rec'd. from the North American Phono. Co. for the Edison Phonograph Works.

June 20th 9.

J. Hutchinson Esq
N. J. Phenix Concentrating Works
19 Dey Street
New York.

Dear Sir;

Referring to your favor of the 17th inst I beg to enclose you herewith check for 400.00.

Please acknowledge receipt and oblige

Yours truly
Thomas A. Edison
R.

June 20/89

Mr Miller
Phonowd

I enclose herewith Mr Lippincott's check $25,000. Endorsed for deposit to Credit of the Edison Phono. Co in German Nat Bank Newark. Send it by mail to Hand tonight

I am going to city on 10.00 train in A.M. If you want anything see me before then

Jas

June 20, 1[illegible].

Geo. F. Kunz, Esq.,

Orange, N. J.

Dear Sir:-

I have your letter of yesterday, in regard to the lease on the Fort property. Kindly attend to this yourself. Will you please give us particulars of the lease. That part of the business is not your action will be necessary to give time in order to have time to execute the position.

Yours truly,

Private Secretary.

June 20, 99.

Messrs. Walbaum & Co.,

201 South Fourth St.,

Philadelphia, Pa.

Dear Sirs:-

In further reference to your correspondence with Singmaster concentrates, we are sending you today, by express, a sample of concentrates obtained from the original ore corresponding to the analysis made in your letter of 10th inst. We beg to say that we do not sell our concentrating machinery as we have gone into the business of concentrating ourselves. We have two mills in operation and several others in course of construction. We only undertake to erect a mill and concentrate ore at cost and service, providing the supply of ore and suitable market facilities are forthcoming. To give an accurate idea, we should be in possession of all data, such as location of mine, quality of ore, haulage rates, distance to furnaces, cost of freighting &c. The smallest mill which we build is one 200 tons of concentrates per day of 24 hours. We, of course, are willing to pay a liberal commission to parties who help us in procuring

W. & Co. -2-

Very truly yours,

Mr. [illegible]

[illegible] St., [illegible]

Dear Sir:-

[illegible]

Very truly,

Private Secretary.

June 20, 1[illegible].

Chas. A. Chevrier, Esq.,

257 Fifth Ave., New York.

Dear Sir:-

Your letter of 19th instant, asking for an appointment with me to-morrow (Friday) morning, duly received, and in reply, I telegraphed you this morning as follows:-

"Yes, will be glad to see you Friday morning. T. A. E."

In reply to which I am just now in receipt of your telegram, which I beg to confirm:

"Will be at your Laboratory Friday morning about eleven o'clock. C. A. C."

Yours truly,

[illegible]

June 20, 1864.

John H. Wood, Esq.,

67 Liberty Street,

New York.

Dear Sir:-

I enclose herewith two notices, under date June 18th, one from the San Fire Office, and the other from the United Firemen's Ins. Co., both agencies at Newark, N. J., notifying us that these Companies desire to terminate the insurance on Mr. Edison's property, policies, respectively, 3,781,207 and 94,836, pursuant to these notices lapsed on 18th instant, no premiums having been yet received by these Companies on account of the same. Please give this matter your immediate attention, and advise us what action you take. I have not acknowledged the letters.

Yours truly,

Private Secretary.

June 20, 1883.

S. W. Edison, Esq.,

140 Broadway, New York.

Dear Sir:-

I enclose herewith contract between Mr. Edison and The Edison Ore Milling Co., Lt'd., under date 14th day of October, 1887. When this contract was made, it was contemplated that Mr. Edison would conduct experiments for the purpose of perfecting processes for the extraction of metals from ores, and that he would spend on these experiments a sum not exceeding $25,000, which was to be repaid to him after his experiments resulted successfully. Since this contract was executed, Mr. Edison has given a great deal of attention to his Ore Milling process, both for the working of iron ores and ores containing precious metals. I beg to call your attention to the Fourth clause of this contract, a portion of which reads:

> "In case he (Edison) should succeed, however, in devising a practical system for the extraction of precious metals from ores, tailings, gravel and other deposits, all moneys advanced by him for the purposes aforesaid shall be repaid by the Company &c.,"

E. W. P.

Referring more particularly to the words "precious metals," quoted above, Mr. Edison has spent a great deal of money in perfecting his Ore Milling process for iron concentration, and would like to know if under this agreement Mr. Edison has a right to demand payment from the Ore Milling Co. for this work. The contract does not say that he must market a process for the extraction of precious metals, but perhaps a general construction would cover the work above referred to.

Yours very truly,

Private Secretary.

June 20, 89.

Mr. Thos. Butler,

10 Dey St., New York.

Dear Sir:-

I beg to acknowledge receipt of yours of 19th inst., enclosing letter from Messrs. Hayward, Tyler & Co., of London, the same having been forwarded to you by the Light Company.

Yours truly,

Private Secretary.

June 20, 1889

J. W. Guernsey, Esq.,

31 Nassau Street, New York.

Dear Sir:-

I beg to acknowledge receipt of your check for $15,000, forwarded to me by the Edison Machine Works, New York.

Yours truly,

Thos
Butler

June 20, 80.

Miss Marion S. Edison,

c/o Drexel, Harjes & Co.,

Paris, France.

Dear Miss Edison,-

I beg to confirm the following cablegram sent you by Mr. Edison to-day:-

"Have forwarded nine hundred eighty four dollars through Drexel, Morgan & Co."

Yours very truly,

Private Secretary.

June 21, 1889.

Mr. J. A. Ingalls,

Orange, N. J.

D e a r S i r :-

In conversation with Mr. Edison, we have decided that you be appointed Manager of the Edison Phonograph Works, at a monthly salary equivalent to Three Thousand Dollars ($3,000) a year. You will, therefore, undertake your duties immediately.

It is understood that the management of the Works is defined as taking in the general management of all matters pertaining to the buying of material, manufacture of same, and shipment of same. The bookkeeping and accounts with customers is in the hands of Mr. Yate, as formerly.

It is also understood that this is not an engagement by the year but simply by the month.

Very truly yours,

[illegible]

June 22, 80.

S. B. Eaton, Esq.,

250 Broadway, N. York.

Dear Sir:-

We have made an allusion twice to Mr. Lippincott's payments from the North American Phono. Co., on account of phonograph supplied by the Edison Phono. Works, and Mr. Lippincott has made two payments, each of $10,000. The first payment which he made was during my absence in Boston, and the check was passed to Mr. Insull. The second payment was made yesterday, and I noticed that Mr. Lippincott gave his personal check for the amount. It was on the Importers & Traders Bank, of New York City, for $10,000 and signed "James H. Lippincott," made payable to the order of the Edison Phonograph Works. Without knowing positively (Mr. Insull will be able to tell us), I presume that the first check was in similar form.

Could these checks in any way complicate matters between the Phonograph Works and the North Am. Phono. Co., or between Mr. Edison and Mr. Lippincott and the North American Phono. Co.? I know that we have evidence in writing in regard to the second

E. G. N.

-2-

check, which I [illegible] already show why it was issued, and I presume that the same proof could be furnished in regard to the first check. If I have a moment to spare while we are [illegible] the matter [illegible] that it is necessary to do anything, [illegible] we can do it.

Very truly,

Private Secretary.

June [illegible]

Mr. E. Wilmowsky,

104 Washington St., New York.

Dear Sir:-

I beg to acknowledge receipt of laboratory note referred to in your letter without date received yesterday morning.

Yours truly,

Private Secretary.

June 2 [illegible]

My Dear Mr. [illegible],

I [illegible] receipt of your letter of 8th inst.

So far as the formation of any Company in your territory is concerned, it is a matter which would have to be the subject of further correspondence between yourselves and Mr. Edison and possibly a report from the arrangement that we are about entering into with you.

In all the Companies which are formed for exploiting inventions of Mr. Edison, he desires an interest which will give him a voice in the control of the Company's affairs, and in parting with such portion of his rights as would be represented by the stock placed outside of his hands, he should receive a substantial cash consideration. On the other hand, he might be willing to consider a cash offer for the whole business. We have no established rule to follow in this connection, and it is, therefore, impracticable for me to say just what he would do or what he would [illegible] do. If you have a [illegible] proposition to make, either now or in the

E. F. -2-

future, you can submit it, and it will receive the consideration. I do not know just now for your partner interests going in the direction of your formation as a Company, but it might be well for him to make sure that your firm cannot change the rights now to be given it. The best course to pursue himself to any parties with whom he may be negotiating, his plans for your co. protection should be submitted to and approved by Mr. Edison.

Your document is now in the course of preparation, and I desire to know the correct title of your firm. Is it a partnership? If so, will you kindly give me the names of all your members. If it is a corporation, please advise me under what State law it is incorporated.

Yours very truly,

President Secretary.

Everett Frazar, Esq.,

124 Water St., New York.

June 30, 1[illegible]

My Dear Major Eaton,

I am not quite clear in regard to issuing these notices for Stockholders Meeting of the Edison Phonograph Company, and, therefore, send Mr. Maguire into you with this note. He has with him notices to all the original stockholders, [illegible] the stock certificate book of the Phono. Co. is not here, and I have none of the papers to which I can refer. My recollection is, however, that when the stock was placed in the hands of the Garfield Safe Deposit Co., it was all transferred to Mr. Edison, excepting five shares in the name of each of the other four Directors, namely Batchelor, Gilliland, Tomlinson and Tate. The agreement with the Garfield Co. refers to these certificates, giving I think the numbers of them and the shares represented by each. If this is correct, as I am almost positive it is, then it is necessary to send notices only to Messrs. Edison, Gilliland, Tomlinson, Batchelor, Tate and Mrs. Hennessy.

Yours very truly,

Priv. to Addy.

June 21, 1887.

My Dear Mr. Frazar,-

With relation to the question which I mentioned before you, when I last had the pleasure of seeing you in your office, as to an alliance between yourselves and the German Company, I am going to Europe on the 2d of next month, and would be very glad to take this matter up when I am over there, if you could advise me in time what your ideas are and give me a general outline of an arrangement which would be satisfactory to yourself and your friends in China.

Yours very truly,

Private Secretary.

Frazar, Esq.

June 21, 89.

Messrs. Dyer & Seely,

New York City.

Dear Sirs:-

I beg to acknowledge receipt of Portuguese Patent, No.1846, Set 89, on Mr. Edison's Ore Milling process, the same being a five year grant. I presume this patent does not limit any of the Ore Milling patents which you have been taking out abroad and in the United States. Mr. Edison would like to be reassured on this point.

Yours very truly,

Private Secretary.

June 21, 1889.

Mr. C. H. Aaron,

619 Montgomery Avenue.

San Francisco, Cal.

Dear Sir:-

Replying to your letter of 10th inst., I regret to say that Mr. Edison has not time at the present to give very much thought to the subject of your communication. He says that if you will consult Faraday's Researches, which you can probably find in the Public Library in San Francisco, you can obtain data bearing upon the question which you have brought up. Mr. Edison does not think that permanganic acid would oxidize plumbago. There are a number of batteries made with both electrodes carbon, in solutions separated by a porous cup, and widely apart upon each other, and the results which you have obtained from your cell are probably due to the action between permanganic acid and the sulphide which you employ.

Yours very truly,

Private Secretary.

Letterbook, LB-031

This letterbook covers the period June-August 1889. Most of the correspondence is by Edison, Alfred O. Tate, and Samuel Insull. Many of the letters relate to the manufacture of the phonograph and talking doll and to the promotion of the phonograph in Europe and Asia. There is also correspondence dealing with the operations of the Edison Phonograph Works and with production problems at the Edison Lamp Co. Other letters pertain to mining and ore milling, Edison's phonoplex system, and his exhibit at the Paris Exposition. Some of the documents concern Edison's experimental work on electric lighting and the purchase of property in Silver Lake, N.J. Of particular interest are two long letters from Insull to Tate, which were written while Tate was in Europe. The book contains 507 numbered pages and an index. Approximately 40 percent of the book has been filmed.

June 23, 80.

My Dear Gourand,

Since the receipt of your letter containing a proposition for the formation of a Company in England to exploit the phonograph and of your cablegram referring to the same subject, I have been considering what action it would be best for me to take in order to facilitate business between us, and have finally decided to send my Private Secretary, Mr. Tate, to London to co-operate with you in the work which you have in hand.

Mr. Tate is familiar with the phonograph business as organized in this country and understands thoroughly my own views and wishes as to any foreign organizations of which I may in the future approve, and I desire you to discuss with and submit to him all details which may arise and plans which you may formulate in regard to the formation of Companies in your territory, my idea being that after you and he have arranged a proposition, it shall then be submitted to me for consideration, by which means we will avoid the annoyance of delays which would otherwise be incurred through your having to seek my views and learn my wishes by mail and cable.

Mr. J. P. G.

-2-

I want you to deal with Mr. Tate as fully and freely as you would with myself, giving him every facility to familiarize himself with your plans broadly and in detail and submitting to him all papers that he may ask for or what may be necessary to acquaint him thoroughly with the work in hand - in short, I desire everything to pass through him before reaching me and any propositions which you have to make to be presented to me by Mr. Tate, who has a code with me for this purpose, all of which will greatly facilitate your progress.

Mr. Tate sails for Liverpool on July 2nd, S. S. "Arizona."

S. C.

My Dear Inwall,-

I will see you about the attorney.

Yours truly,

June 22, 89.

Edison Lamp Company,

Harrison, N. J.

Dear Sirs:-

I return herewith note No. 399, for $6,187.52, duly signed by Mr. Edison as President of the Edison Lamp Co., the same having been enclosed with your letter of 21st instant.

Yours truly,

June 22, 89.

My Dear Insull,-

You wanted to prepare this statement yourself, and I presume you will do so as soon as I send you Balance Sheet of the Edison Phonograph Works June 1st.

Yours truly,

Samuel Insull, Esq.,

June [illegible]

[illegible] Mgr., Manager,
[illegible] Phone Co., [illegible] St.,
San Francisco, Cal.

Dear Sir:-

I [illegible] the following [illegible] of [illegible]
[illegible] you [illegible] me:-

THOS. A. EDISON. June 20, 1880.

"Through your dynamo circuit till receipt of letter of fourteenth this morning; telephone volts and amperes required for present phonograph, also whether your dynamo supply dynamo and gold.
Louis Glass."

LOUIS GLASS. June 21, 1880.

"We can fill orders for phones sound to run in multiple arc on hundred volt circuits. Regular battery wound motor requires two volts and two and half amperes. You can put thirty subscribers on wire in series; use a resistance and continuity preserving switch at each phone to throw compensating resistance of seven-tenths ohm in circuit; when phone out of use phone plug need not be touched; add Gorman silver coil at station to keep current constant. You can attach this to any incandescent circuit in City, or by using our excellent dynamo you can supply five such circuits. Lines may have a resistance of fifteen ohms or more with fewer subscribers. Our new battery has run phone 30 days four hours daily full speed and is great success. Price dynamo two hundred sixty. EDISON."

June 27/89

Jesse H. Seligman Esq
Mills Building
New York

My dear Sir:
Mr Edison has requested me to call your attention to a toy phonograph invented in 1879 by one Lambrigot, wherein wax was used and the record made by cutting the wax with a knife.
A description of this invention is published in "La Nature" edited by Tissandier, 1879 page 349, and the same method of cutting is also

✓ Paragraph 30 of Specification
filed March 22nd

Explained in Mr. Edison's British Patent of 1878 but not so clearly as in La Nature; Mr Edison wishes me to bring this before you so as to put you on your guard against the impudent and false assertions of the proprietors of the Graphophone as to their being the first inventors of this device and their ability to hold the same in any Country

Yours very truly

Private Secy

June 22, 30.

George P. Kingsley, Esq.,

Orange, N. J.

Dear Sir:-

I had a conversation with you some time ago in regard to submitting tax returns for the Laboratory and Power Works, and I understood you to say that the best thing for us to do, was not to fill out blanks which were furnished by the township, but to let their representative assess our property in accordance with his own judgment. The blanks have recently been sent in, and I would like to be reassured as to the correctness of my understanding.

Yours truly,

Private Secretary.

June 22, 89.

My Dear Mr. Taylor,-

I beg to confirm the following telegram sent you this morning:-

"Expect to go Europe first July visiting England and Continent. Is my insurance all right. Please take any steps that may be necessary to arrange it. Answer. A. O. T."

I expect to be in Europe for about two months and desire to have my policies adjusted in such a manner as to secure me while I am abroad. It is probable that I shall be in Europe to a considerable extent during the next few years, and I wish you would do whatever is necessary for the protection of my policies. They should be made to cover the whole of Europe. Please advise me if this can be done, so I will know what action to take.

Yours very truly,

Mr. F. C. Taylor,

Lindsay, Ont.

June 12, 89.

My Dear Insull,

At the annual meeting of the Stockholders of the Edison Phonograph Works, the following Directors were elected:

Thomas A. Edison, Charles Batchelor, A. L. Cutting, Samuel Insull, and A. O. Tate.

You are not a stockholder of record. You ought to have those shares transferred in order to qualify you as a Director.

Yours truly,

Samuel Insull, Esq.,

New York.

June 24, 1[illegible]

George W. Van Siclen, Esq.,

Sec'y. The Holland Society of New York,

140 B'way., New York.

My Dear Sir:-

Mr. Edison has received your communication under date 16th instant, stating that he has been nominated by Mr. Geo. W. Van Siclen for membership in the Holland Society of New York, and asking him to send his genealogy in direct male line from a Dutchman who settled in America before A. D., 1675.

I know that a few years ago some enterprising genealogist traced Mr. Edison's ancestry back as far, I think, as the year A. D., 1600, but Mr. Edison has no copy of this record, nor do we know at the present time where it could be found, and Mr. Edison has no other data, excepting family tradition. He knows that his great-great-grandfather was a Banker on Manhattan Island, and his ancestors in direct male line were among the very early settlers upon that ground. Perhaps you, who are familiar with these matters, might kindly suggest a way in which I could have this traced.

Yours very truly,

Private Sec'y.

June 24, 90,

Mr. William H. Hawks

24 Wall St., New York,

My Dear Hawks,-

I have received a copy of your report under date June 18th, 1890, to the President and Directors of the Edison Electric Light Co. of Philadelphia, and I think that a few words in regard to our experience at the Pearl Street Station may be of benefit to you at this time.

We found that the best period to take on new customers was during the summer months, and at that time our solicitors did the best work of all the year. On very hot nights they used to go through the district, and enter an establishment where a lot of gas jets were burning - where the people were mopping their heads and perspiring - and seeking the proprietor they would commence talking electric light to him, and would point out that if he would replace his gas jets by incandescent lamps, each one of the latter would give off only about 1/10 of the amount of heat of the gas jet, and that the incandescent light would give him

W. H. H.

[illegible]

[illegible] suit was that we took as many outdoors [illegible] [illegible] any other thing on the [illegible] you can do the same thing in Philadelphia.

Yours very truly,

R. H. Ed[illegible]

We have a number of customers supplied from the Earl St. Station which means the light burning the same way, going back to do when cost accounts come ——— J.O.S.

June 24, [illegible].

My Dear Dyer,-

It is possible that during the course of these events you will some time find it desirable to contradict the claim, that the experiments of the graphophone owe to originality in recording sound by cutting the wax with a knife recorder, and I, therefore, send you the following information, as proof of your anticipated assertion:

"See LA NATURE, edited by Tissandier, 1879, page 349, article on Lembrigots phonograph, where a cutting tool is described in connection with stearine wax; also Mr. Edison's British Patent No. 1644, of 1878, paragraph 50 of specification filed October 22d, same year."

Yours very truly,

Private Secretary.

R. M. Dyer, Esq.,
New York.

[illegible], 1889.

W. H. Preece, Esq.,

Eclair Electric, Machinery Palace, Exposition,

Paris, France.

Dear Sir:-

I beg to confirm the following cable we sent you 22d instant:-

NEWARK, PARIS. June 22, 1889.

"See your fragment report Paris. Graphophone only claim to originality is repeating by cutting wax. Procure immediately copy of La Nature, edited by Tissandier, 1879, page 349; article on Lemoignon phonograph uses cutting tool and stearine wax. See also my British Patent Number 1644 of 1878, paragraph thirty of same Specification filed October 22d. EDISON."

Yours very truly,

T. A. Edison

June 24, 1888.

W. J. Hammer, Esq.,

Paris, France.

Dear Sir:-

I beg to confirm the following cablegrams received from you:-

EDISON, N. Y. June 21, 1888.

"Must have quick bound copies Edison's patents; if new copies ready send old by next steamer."

EDISON, N. Y. June 22, 1888.

"Jurica Gaspert exhibits in ten days just appointed if you wish to make special claims telegraph or write at once and preparing matter for pay matter cable salient point for phonograph as grandiose claims ridiculous claims if you wish cable and to hold Jury till later arrives answer."

Yours very truly,

T. A. Edison

June 21, 1880.

Jesse H. Lippincott, Esq.,

North American Phonograph Co.,

140 Broadway, New York.

Dear Sir:-

Replying to your letter of 18th instant, with which you enclosed copy of Geo. W. Littlehales Patent, No. 404890, dated June 11, 1889, I return herewith your communication and the Patent referred to, Mr. Edison having made the following note on the former:

> "It doesn't infringe as all our things work and this won't."

In regard to the phonograph in Mexico, Mr. Thomas B. Gomery, late Minister to Mexico, has the provisional rights for the instrument in Mexican territory. Mr. Gomery has, I think, already started for Mexico, but he can be addressed care of Messrs. Fox and Preble, No. 47 Nassau St., New York City.

Yours very truly,

Private Sec'y.

June 24, 1[illegible]

Mr. W. S. Perry,

Consolidated Stock & Petroleum Exchange,

New York City.

My Dear Sir:-

I enclose herewith copy of a letter from Mr. Gustave Stromberg, Secretary of the Western Furnace Co., together with copy of list of stockholders which he sent to me and which shows all the stock, except the that issued to Weskopf and Stromberg. From what Stromberg says it would appear that Western does not own control, as the capital of the Company is $100,000, fifty thousand dollars being accounted for in the attached, and the other $50,000 Stromberg seems to say, is divided between himself and Western, although I am not sure that I read his letter correctly, as it is somewhat ambiguous. I have written him for an explanation, and will communicate with you as soon as I hear from him.

Yours very truly,

Private Sec'y.

June 26, [illegible]

Mr. John L. Butterfield, Manager,

Michigan Phonograph Co.,

Detroit, Mich.

Dear Sir:-

Replying to your letter of the [illegible] Mr. Walker, the latter will forward you a phonograph [illegible] will arrive you, stating that Mr. Walker will be [illegible] Mr. [illegible] at the Laboratory any time for the purpose of [illegible] a phonograph for the meeting of the Michigan Power Association at Grand Rapids. The musical [illegible] thanks you for [illegible] Saturday last by express.

Yours very truly,

Private Secretary.

June [illegible], 1892.

E. H. Lewis, Esq.,

Messrs. Edson & Lewis,

New York.

Dear Sir:-

Replying to your letter of 20th instant, in regard to the Edison Phonograph Works:

President, Thomas A. Edison; Secy. & Treasr., A. O. Tate.

DIRECTORS. Thos. A. Edison, Robt. L. Cutting, Charles Batchelor, Samuel Insull and Alfred O. Tate.

I am going to call a meeting of the Directors for one day this week, and in view of my contemplated [illegible] abroad, Mr. Insull will be elected Treasurer, so that if papers which you are preparing are to be executed under a date later than the middle of this week, you can make use of this information.

Yours very truly,

[illegible]

[illegible]

[illegible] Edison Building, Park,

Pittsburg, Pa.

Dear Sir:-

Mr. Edison has received your letter of [illegible] instant, in which you say that Mr. Longan, [illegible] for your [illegible] has a Gramophone, with one [illegible]. Mr. Edison is not sure that you have received one of the latest catalogues of the Company. I enclose herewith a photograph of the latter. If you have not one of these you want to order one.

In regard to phonograph blanks for a single record, we will in a short time not only be able to furnish you with them, but with a great number of different styles of phonograph blanks for all kinds of use. There has been so much pressure brought to bear upon us to turn out phonographs quickly, that Mr. Edison has not had time to give much attention to the manufacture of these blanks. He has taken it up now vigorously, and you will very shortly be able to get everything you want in that connection.

Yours very truly,

[illegible]ate Secretary.

June 25 1879

Mr W. T. Taylor
Supt PRR
Altoona Pa

Dear Sir

Mr Edison has a new battery that he hopes to have ready for the Phonoplex in two or three weeks. The measure tests that have been made with his battery at the Laboratory would indicate that it will take over six months, we would like to put the battery on one of your circuits in Altoona for a practical test by Office for a month or so. As soon as we are ready for Mr Edison to go to work arrange for put battery up at Altoona and put battery up. If the battery is as successful as we think it will be, we can furnish you for any or all of your offices if desired.

Yours Truly
A. S. Tate
Cincinnati O.

June 25/89

Mr Miller:
Edison Phonograph Co

Please transfer the enclosed Stock 5 Shares in name of John W Tomlinson, to Samuel Insull. Date the new Certificate May 1st 1889 –

S A Tate

June 15th 1889

Jesse H. Lippincott, Esq.
Superintendent, Phonograph Co.
10 Bond Street
New York City

Dear Sir:

In State Case Edison Phonograph Co.

I enclose herewith the following letters relating to the above subject:

Apl 11th A. C. Tate to Eaton & Lewis (copy)
May 3rd " " " "
Apl 18th E. B. Eaton " A. C. Tate (original)
May 3rd Eaton & Lewis " " "
May 4th Affidavit of Thos. A. Eaton vs. Thos. A. Edison Phonograph Co. (copy)
June 13th Eaton & Lewis to A. C. Tate (original)
June 17 " " " "

Eaton & Lewis state that

that
the Edison Phon. Co. must become
in the use of line commission — pay
the tax of $17000 on its issue
the assessment of the State Board
and I turn the matter over to
you for such action as you
deem advisable;

Yours

Secy

June 24, 89.

Ansonia Brass & Copper Co,
19 Cliff St., New York City.

Dear Sirs:-

With reference to your letter of 23th instant, enclosing our communication of 20th instant, addressed to the Ansonia Brass & Copper Co., Ansonia, Conn., in which we asked if they could supply us with two strips of sheet brass, each 10 ft. long, 18 inches wide and one-eighth of an inch thick, we beg to inform you that your letter of 22nd inst. was turned over, in error, to one of our employees who knew nothing whatever about the order in question, and who replied to your communication without making any inquiries regarding the matter referred to therein. We received from Ansonia on June 21st, a telegram in reply to our letter of 20th inst. above referred to, to the effect that they could supply the brass by June 26th and asking us if we wanted it hard or soft, in response to which we immediately wired them that we preferred soft and asking them to expedite shipment as much as possible, the telegrams being duly confirmed by letter dated June 22d, 89.

A. N. B. Co., -2-

On receipt of your letter this morning, we immediately wired you as follows:-

"Your order of twenty for two strips of brass, all right. Hurry it forward. Writing."

We trust that this brass is already on its way to the laboratory, as we expected to receive it to-day, and will branch inconvenience if its delivery is delayed much longer. Please advise us by return mail regarding the matter.

Our object in communicating direct with Ansonia, was to save time, but in future we will address all our letters to your New York office. Our letter of 20th inst. returned herewith.

Yours very truly,

Edison Laboratory.

By

June 29, 1914.

Messrs. Sloan & Muse,

289 Washington Street,

Newark, N. J.

Dear Sirs:

With reference to our Mr. Wurth's interview with you or yesterday, relative to Watchmaker's Lathe, with new grinding attachment, we desire you to furnish us with two of these Lathes as soon as possible. If you cannot deliver the two machines immediately, please send the one which Mr. Wurth examined to the Laboratory, at once, as we are in urgent need of it. Please bear in mind that we with new grinding attachment furnished with each of the Lathes.

Yours very truly,

Edison Laboratory.

By

June 23, 1[illegible].

My Dear Mr. Hubert,-

I wrote Mr. Lippincott some time ago in regard to your phonograph, and I saw him personally the other day, when he brought the matter up. He asked me if you understood that it would be impracticable for him to give you a phonograph and pass title to it. He says that he will be very glad to let you have a machine and make you a rebate of the full amount of the royalty which is charged others. This would be practically the same as though you owned the machine, and I told him that I was sure it would be quite satisfactory to yourself. Of course the North American Phonograph Co. cannot relinquish its title to any phonographs, a technicality which probably will not disturb your peace of mind. I think Mr. Lippincott can let you have this machine at any time if you will apply for it and let him know where to send it.

Yours very truly,

Private Secretary.

P. G. Hubert, Jr., Esq.,
Bellport, L. I.

June 28, 89.

The Edison Machine Works,

19 Dey St., New York.

Dear Sirs:-

The following is copy of a cablegram received by Mr. Edison to-day from Mr. Hammer Paris, the same having been transmitted through the Edison United Co., New York, and Mr. Edison desired it referred to the Machine Works, for attention:-

THOMAS A. EDISON, Paris, June 28, 1889.

"Send Babbit shells for number 5612 and Municipal dynamos one each. Hammer."

Yours truly,

A. D. Tait

Private Sec'y.

Page No. 86.

Messrs. Jas. W. Queen & Co.,

Philadelphia, Pa.

Dear Sirs:-

Replying to your postal card of 26th inst., the repairs which we are making to the photo apparatus are not yet completed. Just as soon as they are finished, we will advise you and send you a bill of the expense incurred.

Yours truly,

Edison Laboratory.

By A. G. Ludlow

[illegible] 29, 1[illegible]

[illegible], Ltd.,
c/o [illegible] Shipley A[illegible]n.,
London, England.

Dear Sirs:

I beg to confirm the following cablegram recently sent you with regards:-

"Paris, Nurnberg, Sonneberg, Vienna, Berlin reported milk European trades. If you advise immediate return to canvass matters thoroughly before you sail. Would return again. Large business possible in musical and speaking toy phones. Dick, Anvers."

Yours truly,

Paul A. Gilmore

June 27th 1889.

C. E. Speirs Esqr.

Dear Sir.

I want to be supplied with all Official Reports on the Geological Survey of Pennsylvania carried out by the State Government, and also with the Official Reports on Pennsylvania mines (including maps). Please send all of them from the start up to date and let me know, how soon I may expect them.

The pocket-maps as sent on June 21st are sufficient and I do not want more of them.

Yours truly

Thos. A. Edison
M.

June 27, 90.

Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

I return herewith sixty days note for $10,000, duly signed by Mr. Edison as President of the Lamp Co., the same having been enclosed with yours of even date, just this moment rec'd.

Yours truly,

Private Sec'y.

June 28/89

Chas. A. Cheever Esq
New York

My dear Sir: I am not familiar with the plans which have been formed regarding the disposition of the Railway Telegraph business abroad and am therefore sending my Private Secretary Mr. Tate to you this morning, and wish you would advise him fully as to the details of the proposition.

Yours very truly
Thos A Edison

PS Please give him every information
Edison

June 28, 89.

S. Blan,

Port Richmond, S. I.

Dear Sir-

With reference to your recent visit to the Laboratory, relative to securing employment, Mr. Edison says that he thinks he can give you a position in about three weeks from now.

You had better write or call and see us at the end of that time.

Yours very truly,

Private Secretary.

June 29, 1911.

Eugene H. Lewis, Esq.,

Messrs. Eugene H. Lewis,

New York.

Dear Sirs:

Replying to your letter of 27th inst., re Edison Phonograph Works certificate of fully paid stock, I omitted to sign this certificate when in your office yesterday. If you will bring it with you on Monday when you come to the Edison Lamp factory, at Harrison, N. J., to attend the meeting of Stockholders of the Edison Phonograph Company, I will sign it there.

In regard to stock which was issued for services, I will have this changed, so it will appear on my books as having been issued for cash.

Yours truly,

Private Secretary.

June 24, [illegible]

Messrs. Eaton & Lewis,

[illegible] Broadway, New York.

Dear Sirs:-

I beg to thank you for your letter of 27th instant, regarding contract between Mr. Edison and the Edison Ore Milling Company, Limited, under date October 14th, 1907, and in which you state that, in your opinion, Mr. Edison's claim to reimbursement for the moneys which he has expended in perfecting his process for iron concentration is a valid one.

Will you kindly return to me the agreement above referred to, which was enclosed with my letter to yourselves under date 20th instant.

Yours very truly,

Private Secretary.

New York, [illegible]

[illegible] H. Kingsnorth, Esq.,

[illegible] Broadway, New York.

Dear Sir:-

There is to be an exhibition in St. John, N. B. some time soon, and I think you have been applied to in regard to sending phonographs there. We are in receipt of a communication from the Canadian Government officials, in which it is stated that the Secretary of the Electrical Exhibition Committee of St. John, N. B., applied to the Minister of Marine, to obtain permission, in order to ensure the success of the Electrical Exhibition, that Mr. Edison should be allowed to bring into Canada a number of electrical novelties which are patented in Canada, and which under the patent law cannot be imported. This application was referred to the Department of Justice, which advised the Dept. of Agriculture to reply as follows:-

"The Government will not object to the bringing of the goods in question into Canada in bond for the purpose mentioned, but cannot bind third parties or guarantee the retention against proceedings at their instance. (Signed) Rob't. Sedgewick, K. C."

[illegible]

I am not aware as to the [illegible] under such [illegible] law, nor do I know what action you have taken [illegible] to sending warrants to this jurisdiction, but may I be [illegible] you will see that it is very necessary that you should be sure of your ground before complying with the request which has been made of you.

Yours very truly,

Private Secretary.

June 20, 20.

Major S. T. Mason,

New York.

Dear Sir:-

Here is another letter from Mr. Gray, which I have not answered.

Yours truly,

Private Secretary.

June 24, 89.

Mr. [illegible] Thurn,

Edison [illegible] 88, Northumberland Ave.,

London, W. C. England.

Dear Sir:-

I have received your letter of 18th instant, in regard to Mr. Wiley's indebtedness to yourself, and am sorry that you did not bring this matter before us earlier. Mr. Wiley appears to have borrowed money right and left while he was in London, notwithstanding the fact that we advanced him some $200 more than he was able to account for. I take pleasure in enclosing Exchange on London for Twenty-five pounds, which Mr. Edison has instructed me to forward to you, and I cannot tell you how much we regret the deception which was practised by Mr. Wiley, who succeeded in deceiving not only ourselves but, it appears, everybody he came in contact with while abroad. He was promptly discharged upon his return, and should he ever turn up in London again, it will not be in connection with any [illegible] Edison.

Yours very truly,

[illegible] Private Secretary.

June 28, 89.

Mr. J. I. Mixon,

88 Southampton Row, Russell Sq.,

London, W. C., England.

Dear Sir:-

I have received your letter of 14th instant, in regard to Mr. Wiley's indebtedness to yourself for board, and regret that you did not bring this matter before me earlier. I take pleasure in enclosing Exchange on London for £4-16-10, which you state is the amount due you.

Kindly acknowledge receipt.

Yours very truly,

Thos. H. Ellis

June 28, 1[illegible].

Verne H. Lewis, Esq.,

Messrs. Eaton & Lewis,

New York.

Dear Sir:-

I am in receipt of your letter of 27th inst., in regard to the Edison Phonograph Works Trust Agreement. I send you herewith two copies of the Agreement, dated May 1[illegible], 1[illegible], between Mr. Edison and the Edison Phonograph Works.

Your assumptions that, fifty-two per centum of the entire capital stock of the Phonograph Works has already been issued to Mr. Edison; that this amounts to $[illegible], or 1[illegible] shares; that 38% of this amount equals $[illegible], or [illegible] shares; and that the dividends declared in excess of [illegible] are to be paid over by the trust company to Mr. Edison, are correct.

Yours very truly,

[illegible] Secretary.

June 24, 1887.

Mr. Edison,-

Here is another letter from Dick.

From all that we can learn from Dick's correspondence, it seems that the great distributing centre for dolls in Europe, is Paris.

The Boston Company had a contract with W. G. Crawford, covering France, a copy of which is in Major Eaton's hands. Mr. Stevens states in his letter to me, under date June 27th, 87: "It is a question if Crawford's contract is binding." F. X. Maguire came to the Laboratory the other day, and told me that he was associated with Crawford in the matter of this contract, and that the agreement had lapsed, and he wanted to obtain from me information in regard to your relations with the Toy Phone Co., so as to enable himself and Crawford to decide whether they would seek a renewal of their contract. If there are any grounds whatever upon which the Crawford contract can be abrogated, it is very important that the Boston Company should take advantage of them. Otherwise Crawford is going to control the bulk of the European trade. I have to-night written Mr. Stevens regarding the interview I had with Maguire, and as you are to see that gentleman on

Mr. Ralston.

Monday, July 26th, I have arranged to have this note presented to you on that day, so you can bring this question up for discussion and improve upon the Boston peg in the necessity of getting rid of Crawford.

Yours truly,

China 29, 86.

Mr. H i l l e r ,-

How do Phenix Works sell phosphorus for China and Japan? They must not send any bills direct to Drexel and Company, nor must they send any to Col. Gourand.

June 29, 80.

My Dear Mr. Stevens,-

I have to acknowledge your kind letter of 27th instant, and Mr. Edison asks me to acknowledge your letter to him of same date. Mr. Edison is going away on Monday evening next to be absent all week. If it would be convenient to yourself, he would be glad to see you and any of your friends whom you may wish to bring with you on Monday, July 5th.

I desire to say a few words to you with relation to Mr. Stevenson, whom I introduced to you when in Boston. The plan which Mr. Edison had formed for conducting the Toy Phonograph business, when he was considering handling it himself, was one in connection with which Mr. Stevenson's qualifications would have fitted him to take charge of a certain part of the work. This plan was not just the same as the one which you propose, and under the present circumstances, we think upon further consideration, that Mr. Stevenson is not altogether qualified for the post. The man who has to take charge of a number of agencies, should be one who has had a thorough training in commercial life and who has a thorough knowledge of business men and business methods. I do not think Mr. Stevenson has any resources of this kind to draw upon

so far as his own experience is concerned, and it would be matter, therefore, for you to look in another direction for a Manager for your Company.

A more important subject than this to consider at the present time, is the one of manufacture. Our machinery is here, and we are setting it up. If your Company desires to take advantage of the Christmas trade, the manufacture of movements should be commenced immediately, and in sufficient quantities to meet the prospective demand. The only safe way to do, is to start upon a certain number per day, certainly not less than a thousand, and store the movements until orders are obtained for them. Unless this is done, you will find yourselves in a couple of months with, possibly, nothing to sell, and will not be able to take advantage of the large trade which can be established this year here, and more especially abroad, in view of the Paris Exposition. If you keep your supply of movements up to the mark and place yourselves in a position to close contracts for delivery, it will mean considerably active business at least a year earlier than if your manufacturing is delayed a few months longer.

The questions of management and establishment of agencies should be subsidiary to that of manufacture, as no ground can be lost by your taking time to deliberate them, if meanwhile you are taking steps to render these agencies active just as soon as they are formed.

E. A. C.

-2-

In regard to the payment of $10,000, due on July 1st, the arrangement was, that this payment was to be divided equally between Mr. Edison and the Edison Phonograph Company. Your Company is to pay the $5,000 to the Edison Phonograph Company, and Mr. Edison forgoes his proportion. I think Major Eaton has already communicated with you in regard to the above.

Mr. Edison desires to be remembered very kindly to yourself and Mr. Field.

Yours very truly,

Private Secretary.

Benj. F. Stevens, Esq.,

Boston, Mass.

June 29, 89.

Confidential.

My Dear Mr. Stevens,-

In your last letter to me you mentioned the Crawford contract, which, as I recollect it, was a contract giving Mr. T. C. Crawford the exclusive agency for France. Mr. Crawford had associated with him a young man named Maguire (p. Z.), who is known to Mr. Edison, and who has been connected with the formation of one of the Phonograph Companies in the United States. Mr. Maguire called to see me the other day, and told me that Mr. Crawford's contract had lapsed, or words to that effect, and wished to obtain from me information regarding Mr. Edison's relations with the Tay Phonograph Company, so as to enable himself and Mr. Crawford to decide whether they would seek a renewal of the Crawford agreement. Of course I do not know upon what grounds Maguire considered the contract void, but he appeared to have no doubts upon that point. I do not know just how valuable this information may be to you, but I give it to you for what it is worth, and you can use it as you consider best.

Yours very truly,

Private Sec'y.

June 26, 90.

Hon. J. Jones,

Deputy Minister of Agriculture,

O t t a w a , Canada.

Dear Sir:-

I have the honor to acknowledge the receipt of your letter of 25th instant., enclosing copy of the opinion of the Deputy Minister of Justice, regarding the application for admission of certain patents to the St. John Exhibition.

Yours truly,

Thos. Ewing

June 5th, 88.

My Dear Perry,-

With relation to the Wagner Furnace Company, I have a letter from the Secretary, Mr. Stromberg, in which he states that Mr. Westinghouse holds about 40% of the share capital of the Company, the remainder, up to 50%, being divided between Mr. Stromberg and sub-promoters. Stromberg mentions 30 or 40 shares of stock which he thinks he could find, at par. Mr. Edison does not care to purchase these shares at present, believing that if he wants any more of the stock, it can be bought for less money later on.

Yours truly,

Private Secretary.

W. S. Perry, Esq.,

New York.

June 28, 80.

Mr. Jos. Schwarzer, Agent,

The Ansonia Clock Co.,

19 Cliff St., New York.

Dear Sir:-

Replying to your letter of 25th inst., Mr. Edison is going away on Monday next, and will not be back until the 9th prox. After that, he will be glad to see you at this Laboratory any day convenient to yourself.

Yours very truly,

Private Secretary.

June 20, 30.

Mr. [illegible] Esq.,

120 Broadway, New York.

Dear Sir:

I enclose herewith a letter from Mr. Everett Fraser, addressed to myself, under date 20th inst., in which he gives the information which you asked me to obtain as to the title of his firm, which it appears is a partnership. In the last part of this letter, Mr. Fraser states that his Japan firm covers in its agency Japan and Korea, while Fraser & Co., Shanghai, cover China, the Philippine Islands and the Straits Ports. The Journal contracts covers China and Japan, and I think that that would cover Korea, the Philippine Islands and the Straits Ports.

Yours very truly,

Private Sec'y.

[illegible] 20, [illegible]

Messrs. Dyer & Seely,

New York City.

Dear Sirs:-

We received yesterday the following cablegram from Col. Gourraud:-

"When we complete Canes 84, 85 Denmark?"

Please advise us what reply to make to Col. Gourraud.

Yours truly,

Private Secretary.

June 30, 89.

Mr. Edison,-

Here are two cablegrams from Mourand. I have corrunicated with Dyer & Seely in regard to the one relating to Canon 84 & 85. I have done nothing in regard to the other.

A. O. Tate.

M.

June 30, 89.

Edison Phonograph Works,

Orange,

Dear Sirs:-

Please send a Phonograph to the Laboratory, for use in my office.

Yours truly,

Private Secretary.

June [illegible], 89.

Edison Phonograph Works,

O r a n g e , N. J.

Dear Sirs:-

We have received the following cablegram from W. J. Harmer:-

"When and how did you send treadle phonographs
"Want them for Dary. Harmer."

Please advise us how to reply to this.

Yours truly,

[illegible]

Private Secy.

June 30, 80.

Mr. Edison,-

I want four new cylinders which are not affected by moisture; also four musical cylinders which will not scratch. You were to select all these yourself.

A. G. Tate.

N.

June 30, 80.

Randolph,-

Make a list of the A musical cylinders which we have, and send it to the Edison Phonograph Works, and ask them to forward a copy of it to the N. J. Phonograph Co., who desire to make a selection.

June 30, 86.

Memorandum for Mr. Insull.

I give the following information in regard to current matters in this office:-

[illegible] inquiry will have to be made [illegible] about the Electric Light Co. for experiments conducted by Mr. Edison in this laboratory, on their behalf, amounting to $4,488.82. These were forwarded by me to the Light Company and were returned by them [illegible] Mr. Hart, who was instructed to come here and get an explanation as to the nature of the experiments which are owed in the bill, and to find out upon what authority these experiments have been conducted. In order to have these bills intelligently explained, it is necessary that Mr. Edison should be present at any interview which is had with Mr. Hart, as no one else can give the necessary information. I have not had an opportunity to make an appointment for the discussion of this matter.

Mr. Ferris. -2-

[illegible] Mr. Edison has purchased a number of different properties in Bloomfield, [illegible] the owner of these properties. All papers relating to them, such as mortgages, deeds &c., are in the hands of Mr. George P. Pingsley, whose office is near the Orange National Bank, Orange, N. J., and we have noted as our legal attorney in affairs of this nature. The papers were placed in Mr. Pingsley's hands, for him to have a county record of all the properties, and a [illegible] sequence, showing the current boundaries of each. The first property which Mr. Edison purchased in Bloomfield is known as the "[illegible]" property, and was bought from David H. and Lydia Jones, for the sum of $10,000, $3,000 having been paid in cash at the time of purchase, and a mortgage of $7,000 executed by Mr. Edison in favor of Lydia Jones. During the present month, Mr. Edison made a payment of $4,000 on account of this mortgage, which was handed to Mr. Pingsley, and which he was to endorse on the bond, which he states has been done. This makes the present amount of the mortgage $3,000. All the other properties have been paid for in full, with the exception of one. This is another farmer property, and on July 15th there is a payment due to complete the purchase, of $4,000, $10 having been paid when the agreement was made, making the total purchase price, $5,000.

Mr. Pingsley is preparing for us a description of each of [illegible] properties, taken from the [illegible] county

Mr. Insull.

-42-

[illegible] in the [illegible] is making his entries for these properties, to know we will always have a record to which we can refer for the necessary.

[illegible] There are two buildings going up on the Bloomfield property, one of which is, I believe, a chemical works, and the other for the manufacture of [illegible]. I have started a small set of books, which are being kept in this laboratory, for these two buildings, and the details of construction of each are being recorded separately. One building is just about finished, and they are getting in machinery. The foundations of the other building are now finished.

[illegible] In view of the extent to which Mr. Edison proposes going in to the manufacturing business on these new properties, I went to Bloomfield a few days ago and saw the Assessor, the idea being to obtain exemption from taxation for a number of years. The line between the Townships of Bloomfield and Caldwell divides these properties almost equally. Mr. Batchelor has a map which shows this line. Mr. Edison can build in the Township of Caldwell or in the Township of Bloomfield, as he pleases. And I intended playing off one Township against the other, in order to get as favorable terms as possible. The Townships are controlled each by a Committee, which is elected to office, I understand, annually. The office of Assessor is also

re Electric Co. Mr. Kingsley, our local attorney, advises us that the Township Committees have not the power to grant exemption from taxation, but that we can keep our assessments down by making a understanding with the Assessor. As stated above, I saw the Assessor for Bloomfield Township, and he gave me the same information that Mr. Kingsley gave me. He called to see me the other day and assured me that he would keep the assessments down to the lowest possible point. I only took this matter up recently, and have not been able to follow it out beyond my last interview with the Bloomfield Assessor, above referred to, but I think that there may be some way by which we could obtain exemption for a certain number of years. I do not feel satisfied that Mr. Kingsley has advised us correctly. In no case would it, we do not want to be at the mercy of these Assessors, but if there is no way out of it, we ought to have a proper understanding with them, and make them our friends. The time to do this is the present.

For your information I may add that, all the Townships in this district furnish blanks to the various manufacturing establishments, and ask to have them filled up with information as to the value of real and other property. These blanks should always be ignored, and the Assessor allowed to put a valuation on himself. They usually assess for about 30 or 40 per cent of the actual value

LIPPINCOTT'S PAYMENTS ON ACCOUNT OF PHONOS, ETC. SUPPLIES FURNISHED TO THE NORTH AM. PHONO. CO.

You will recollect that I called your attention the other day to the fact that Mr. Lippincott had given his personal check for the last twenty-five thousand dollar payment made on account of the above. I also told you that I had written Major Eaton, and I now attach a letter from Major Eaton, under date 28th instant, in which he suggests that we have a clear understanding with Mr. Lippincott as to the account to which these checks are to be applied. As you are dealing with Mr. Lippincott, I have done nothing about this matter, but leave it for you to adjust, as suggested by Major Eaton.

DONALD S. WILEY. I attach letters from Mr. George Munro, Sec'y. of Edison Phono. Co., London, and J. L. Dixon. Mr. Wiley appears to have hoarded with the latter for about two months. These communications explain themselves. Under instruction from Mr. Edison, I have forwarded to Mr. Munro Exchange on London for twenty-five pounds, and to Mr. Dixon Exchange on London for 4-13-10. Wiley is in Mr. Edison's debt, apart from these matters, about $200. Our books will show the exact amount. With these last amounts added, his overdraft will amount to between four and five hundred dollars. Wiley's father has money, and an attempt should be made to recover this indebtedness.

Mr. Lowell. -6-

[illegible] Mrs. Ramsway [illegible] Mr. Edison.

Through an error of Tomlinson, the Lippincott contracts state that the amount which Mrs. Ramsway paid for her stock was $22,500. This is not so. We sold her 150 shares of stock, at $150 per share, and the check which I received and deposited in the Orange National Bank, in the name of A. O. Tate, Trustee, was for $22,500. Randolph has the check book of this Trustee account, and a certificate can be obtained from the Orange Nat'l Bank as to the amount of deposit, if the same be necessary.

[illegible] Mr. Edison [illegible] Mr. Butler.

I obtained one of the original copies of this contract from Mr. Butler, the other being in the possession of the Ore Milling Company. The copy which I had is now in the hands of Paton & Leeds, to which I sent it for the purpose of having explained certain provisions which were not quite clear. I have written Paton & Leeds to return this contract to this office, and when it reaches here it will be put in the safe, together with a copy of my letter to P. & L., and their reply. Mr. Edison agreed to spend a reasonable sum of money to perfect his Ore Milling process, the amount, as I recollect, was $25,000. The charge on our books at the present time against Ore Milling, is about $17,000. There may be some minor experiments which should be written off against Ore Milling expenditure, but that can easily be determined by a perusal of our expenditure sheet. Mr. Edison has intimated his

desire to an accounting between himself and the Ore Milling Co., under this contract, if the matter can be arranged at this time.

TOY PHONO. Major Eaton can explain to you the legal aspect of these affairs. I told you to-day that we had written Mr. Stevens, practically withdrawing Mr. Stevenson as a candidate for the position of Manager of the Toy Phono. Co. I have made an appointment for Mr. Edison to meet Mr. Stevens and some of the other Directors of the Company, at this Laboratory, July 24th, and I have dictated a memorandum to Mr. Edison, which will be presented to the latter at that time, the substance of which is as follows: The Toy Phono. Co. made a contract with T. D. Crawford, for France, a copy of which is in Major Eaton's hands. I have a letter from Mr. Stevens, under date 23th inst., in which he says that it is a question whether this contract is a valid one. Mr. Maguire came to the Laboratory the other day and told us that he was associated with Crawford in the matter of this contract, that the contract had lapsed, and that he wanted to obtain from us information regarding Mr. Edison's relations with the Toy Phonograph Company, so that he and Crawford could decide whether they would seek a renewal of their agreement with that Company. It appeared to have no doubt as to the expiration of Crawford's contract. I have given this information to Mr. Stevens.

From all of Dick's correspondence, it appears that Paris is the great distributing centre for the doll trade in Europe. It is, therefore, of great importance that the Toy Phonograph Co. should take advantage of any right which they may have to abrogate the Crawford contract. Otherwise that gentleman will control the bulk of the trade abroad.

TRUST AGREEMENT BETWEEN PHONOGRAPH WORKS.

Mr. Edison's agreement with the Phonograph Works, under date 12th day of May, 1888, provides for an issue to Mr. Edison of 62% of the Capital Stock of that Company, or 1,500 shares. Mr. Edison agreed to place 38% of this 1500 shares, or 592 8/10 shares, in the hands of a Trustee, as is explained in the above agreement. Eaton & Lewis are preparing this Trust agreement, and the Garfield Safe Deposit Company has been named as Trustee. I believe the Trust agreement will be ready next week. All of Mr. Edison's Phonograph Works stock is in the safe here, and that portion of it, namely, 1,500 shares, which was issued to him as a consideration for the assignment of his manufacturing rights has been stamped, [illegible]

[illegible] Dick is installing a circuit on the lines of the Bell, P. R., between Jersey City and [illegible] which he will [illegible] in a few days. After that he

is to go to Altoona, to set up a new battery which we desire to test there. When he is through at Altoona, I think that Mr. A. A. Chandler, of the United Lines, will be ready for him. I have corresponded with Mr. Chandler, and he has promised us a circuit. You can review this correspondence at any time. When Logue is through with the United Lines, he should go to Chicago and some of the larger Western Cities. We have very few circuits in the West. We need one running out of Chicago more than anywhere else, and no effort should be made to obtain it. I am going to prepare to-morrow matter for a new Phonoplex pamphlet. Burgoyne printed the last one, and he has our cuts, and I believe has the old pamphlet in type. Then a proof of the new pamphlet is received, it would be well to have Logue read it over and see that no technical errors have been made. We should have 500 copies of the new pamphlet for distribution among the various Railroads in the United States.

Enclosed I am sending you all the records of the Edison Electric Light Co. of Chicago, Limited. There are coupons missing from those paid on February last, but I know Mr. Chandler. I, of course, must be held responsible for these. I can give the Company a bond or a check, as they please.

Mr. Insull. -10-

FRAZAR & CO'S CONTRACT FOR SALE OF PHONO., IN CHINA AND JAPAN.

This matter was turned over to Major Eaton several months ago, at a time when he was loaded down with work in connection with the General Company and the Lippincott deal. He is ready to take it up now and complete the papers. The last time I discussed the matter with Mr. Edison, he said he wanted a royalty of $10 on each phonograph sold in these countries through Frazar and Company. I think it would be much better for you to readjust this and provide for Mr. Edison to have a certain percentage, based upon the factory price of phonographs and supplies. Mr. Frazar happened to mention to me in his office a few days ago, that his partners in China and Japan were considering the formation of a Company. I notified him, by letter, that his contract with his firm would not be assignable, and that the formation of a Company would have to be the subject of further negotiations between himself and Mr. Edison. Frazar has an expert (Churchill) in China, and about 25 machines. Nothing has been billed to him, and we have given him no guarantee as to the price of phonographs. The whole matter can be shaped to suit present circumstances. You can handle it as though it had just come up for adjustment at the present time, as there are no complications.

TREASURER'S BOND PHONO. WORKS. The Treasurer of the Edison Phono. Works is required by the By Laws

to give a bond for $250, for the faithful discharge of his duties. You should have this bond prepared and filed with the Company's records.

PHONOGRAPH WORKS, STOCK ISSUED FOR SERVICES.

When Batchelor, Tomlinson and myself were elected Directors of the Edison Phono. Works, we were each given five shares of stock to qualify. These were entered upon our books as having been issued for "services rendered," but Mr. Lewis advises me that there is no provision in the N. J. Statutes by which stock can be issued for services. It must be issued for property or for cash. We could change the record on the books by giving the Phonograph Works Mr. Edison's check for this stock, at par (all the cash stock was issued at par), and then adjust the matter in his general account, which I refer to below.

MR. EDISON'S GENERAL ACCOUNT WITH PHONO. WORKS.

There is an open account in favor of Mr. Edison on the books of the Edison Phono. Works, for manufacturing done at the Laboratory, on their behalf. Our charges against the Phonograph Works were made upon the same basis as our charges for experiments, and are altogether too high for manufacturing. If you will look at our experimental sheet, which Randolph will show you, you can see exactly how we charge for experiments, and can decide as to the amount which should be allowed the Phonograph Works on the above.

June 30, 89.

My Dear Insull,-

Mr. Lippincott is preparing for me some data in regard to the American Phonograph Companies, which he promised would be sent to the S. S. "Arizona," in time for me to receive it. If this data does not reach me before I sail, I am going to cable you immediately on my arrival in London, the word

"A m e r i c a n,"

and I wish you would send to Mr. Lippincott immediately and ask him to forward me the papers to my address in London.

Yours very truly,

Samuel Insull, Esq.,

19 Nassau St., New York.

June 29, 80.

Orange National Bank,

Orange, N. J.

Dear Sirs:-

I enclose herewith certified extract from Minutes of the Meeting of the Board of Directors of the Edison Phonograph Works, held at the office of the Company, Orange, N. J., 25th instant, by which you will see that Mr. A. O. Tate has resigned as Treasurer of the Edison Phonograph Works, and that Mr. Samuel Insull has been elected in his place.

Yours very truly,

Edison Phonograph Works

By

President.

Extract from Minutes of first Meeting of Board of Directors of the Edison Phonograph Works, held at the Office of the Company, Orange, N. J., Tuesday, June 28th, 1889.

The Chairman then informed the Board that Mr. Tate was obliged to leave for Europe on the 2nd of July, next, and that it would be necessary to elect a Treasurer to succeed Mr. Tate not later than July 1st.

Mr. Tate then handed to the Board the following letter, dated July 1st, 1889:-

To the Directors of the Edison Phonograph Works,
Orange, N. J.

Dear Sirs:- I beg to resign my position as Treasurer of the Edison Phonograph Works, the same to take effect on July 1st, 89.

Yours truly, (Signed) A. O. Tate.

Upon motion Mr. Tate's resignation was accepted, and Mr. Batchelor then nominated Mr. Insull, as Treasurer of the Company, to take effect upon the 1st day of July, 1889. The motion having been duly seconded, a ballot was taken, and it was found that Mr. Insull had been unanimously elected, as Treasurer, from the date above named.

Secretary. President.

June 29, 80.

Garrau National Bank,

Newark, N. J.

Dear Sirs:-

I enclose herewith certified extract from Minutes of the Meeting of the Board of Directors of the Edison Phonograph Works, held at the Office of the Company, Orange, N. J., 25th instant, by which you will see that Mr. A. O. Tate has resigned as Treasurer of the Edison Phonograph Works, and that Mr. Samuel Insull has been elected in his place.

Yours very truly,

Edison Phonograph Works

by

Thos A Edison

President.

Extract from Minutes of first Meeting of Board of Directors of the Edison Phonograph Works, held at the Office of the Company, Orange, N. J., Tuesday, June 20th, 1889.

The Chairman then informed the Board that Mr. Tate was obliged to leave for Europe on the 2nd of July next, and that it would be necessary to elect a Treasurer to succeed Mr. Tate not later than July 1st.

Mr. Tate then handed to the Board the following letter, dated July 1st, 1889:-

To the Directors of the Edison Phonograph Works,
Orange, N. J.

Dear Sirs:- I beg to resign my position as Treasurer of the Edison Phonograph Works, the same to take effect on July 1st, 89.

Yours truly, (Signed) A. O. Tate.

Upon motion Mr. Tate's resignation was accepted, and Mr. Batchelor then nominated Mr. Insull, as Treasurer of the Company, to take effect upon the 1st day of July, 1889. The motion having been duly seconded, a ballot was taken, and it was found that Mr. Insull had been unanimously elected, as Treasurer, from the date above named.

Thos A. Edison

Secretary.

President.

June 29, 1880.

Major S. Wood Page,

The Edison & Swan United Electric Light Co.,

London, England.

My Dear Sir:-

I desire to introduce to you my Private Secretary, Mr. Alfred O. Tate, who goes to Europe in connection with some of my personal business.

I would like very much to be informed as to the progress which you are making in connection with electric lighting in England, and as I am afraid I shall not be able to go to England when I am in Europe this fall, I have asked Mr. Tate to call upon you, on my behalf, and will appreciate any information which you may give him.

Yours very truly,

Vanderbilt.

July 1, 89.

Major S. H. Eaton,

120 Broadway, New York.

My Dear Sir:-

I enclose herewith letter from the Edison Phonograph Toy Mfg. Co., addressed to Mr. Edison, and informing the latter that up to date there have been no sales of dolls made by that Company, under licenses from Mr. Edison.

Yours truly,

Private Secretary.

July 1, 88.

My Dear Insull,-

Here is a letter from Arthur W. Langford. I offered this young man ten dollars a week to come here and take charge of the door down stairs, and in addition to that, take up the work which young Miller has been doing in the way of pricing orders, receiving and shipping goods &c., so as to relieve Miller and allow him to work with Randolph on the books. We have, in addition to the laboratory books, those of the new manufacturing concerns in Bloomfield, and Randolph cannot handle it all, but can get along very nicely with Miller's assistance, and it is, therefore, necessary to relieve the latter.

Yours very truly,

P. S. Young Langford will come for $10 per week as soon as he can leave his present place. From his letter I think he is a promising youth.

Samuel Insull, Esq.

Additional Memoranda for Mr. Insull.

MANUFACTURING CONTRACT WITH DAWSON COMPANY. The manufacturing contract which is being entered into by the Dawson Company in with Mr. Edison personally. It is Mr. Edison's intention to assign this contract to the Phonograph Works, and he is to receive a consideration. This consideration is to be the amount which Mr. Edison is going to pay Dick for the work he has done in Europe in investigating the doll trade. I mention this so the matter will not be overlooked when the time comes.

PATENTING IN EUROPE. We have on file in this office a number of letters from Mr. Philip R. Dyer, together with plans of various factory properties in Europe, which Mr. Edison sent for. These will be useful when Mr. Edison comes to consider the question of erecting assembling shops over there for toy phonographs.

EUROPEAN MINUTES. Please dictate to Maguire the minutes of meeting of European Company which we held at the Edison Phonograph Works on Saturday, June 28th, 98.

PHONOPLEX. I enclose herewith two letters in regard to Phonoplex, one from the Cincinnati, Hamilton & Dayton R. R. Co.

and the other from the Chicago, Rock Island & Pacific Ry. The latter is very promising inasmuch as we have a new battery which will be tested at Altoona, and which we expect will last between six months and a year. As soon as we have a record of this battery showing a life for one month, this matter should be followed up, as in the telegraph business a battery which lasts from four to six weeks is considered excellent.

July 1, 80.

Mr. John Kruesi,

Edison Machine Works,

Schenectady, N. Y.

My Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Have very serious complaints about Bridgeport machine. They claim they cannot get the amperes and can only get twenty volts. I am afraid of serious trouble with Mr. Villard, who controls the whole business. You had better go to Bridgeport to-night yourself; take best man you have and leave him with machine until it is absolutely satisfactory. This matter is of great importance. Answer my house."

Yours truly,

SAMUEL INSULL.

M.

July 1, 80.

My dear Mr. Wright,-

I have been so uncertain as to whether my business would permit me to go abroad this year that not until today have I been able to write Mr. Marjes definitely in regard to his kind letter forwarded to me through yourself. I have told Mr. Marjes that I should be very pleased to accept of his hospitality any time after the 15th day of August next.

Yours truly,

J. Wood Wright, Esq.,

New York City.

July 1, 1889.

My Dear Mr. Harjes,-

I have been away so much lately that I have not before had an opportunity to reply to your very kind letter, under date May 8th, 1889, and in addition to this I was not altogether sure that my business here would allow me to take a holiday in Europe. I find now that I can get away, and it is my present intention to sail about the 3rd of August. It will give me great pleasure to accept of your kind hospitality at any time convenient to yourself after the 18th of August next. The arrangements in regard to phonograph I will make when I get to Paris. I have a man there now taking records of the leading musical artists, and he will have a good collection by the time I arrive.

With kindest regards

I am, yours very truly,

John M. Harjes, Esq.,
Paris, France.

July 1, 80.

My Dear Farmer,-

Will you kindly give the bearer, Mr. A. J. Lewi, an opportunity to see the Edison exhibit. All the people who have returned from Paris thus far, state that the crowd is so enormous around the Edison quarters that they find it impossible to obtain a view. I would like Mr. Lewi to share a better fate.

Yours very truly,

Private Secretary.

W. J. Farmer, Esq.,

Paris, France.

July 1, 90.

Mr. Insull,-

This afternoon at two o'clock, we held the Stockholders' Meeting of the Phonograph Company, at Harrison, New Jersey. Mr. Lewis dictated the minutes of the meeting to the stenographer at the Edison Lamp Co., and they will be written out to-morrow and sent here. I have told Maguire to forward the minutes to Mr. Lewis, with a letter asking him to read them over and approve them and return them to this office to be copied in the Minute Book of the Edison Phonograph Company. The Directors elected were, Thomas A. Edison, Chas. Batchelor, Samuel Insull, A. O. Tate, John F. Randolph. It is necessary for yourself and Randolph to qualify as Directors. You are now stockholders of record at the present time. You require five shares each to qualify. Mr. Lewis says that if cannot get hold of the old Certificate book, we can get a new one and qualify you from them.

Yours truly,

July 1, 80.

Mr. Insull,-

Will you please see that the Phonograph Works does not bill direct on Gourand. All his bills should pass through this office, so that Mr. Edison's royalty can be added. The Phonograph Works have billed Gourand with some cylinders, but with nothing else. The same applies to Frazar & Co's shipments to China and Japan.

July 6, 89.

W. D. Marks, Esq.,

Edison Electric Light Company,

#44 Wall St., New York.

Dear Sir:-

Mr. Edison desires me to acknowledge your favor of 3d instant, and to state in reply that he will be away from here the whole of next week. He will be pleased to see you, however, the week following. It is difficult for him to make an absolute appointment, but I think you will be more likely to find him here in the afternoon than in the morning.

I return you Mr. Maxwell's letter which Mr. Edison has read.

Yours truly,

Chas Batchelor

July 6, 89.

H. Ward Leonard, Esq.,

Chicago, Ills.

Dear Sir:-

Your favor of June 28th, introducing Mr. C. J. Reed, I find here on my going over the mail this morning. I drew Mr. Edison's attention to the letter, and he explained that it would be impossible for him to place Mr. Reed at the present time, as most of his work will be suspended for the next few months, owing to his trip to Europe. Mr. Edison suggested that Mr. Reed should communicate with him upon his return, which will be some time during the month of October.

Yours truly,

Samuel Insull

July 6, 89.

Mr. W. S. Mallory,

7 W. Randolph Street,

Chicago, Ills.

Dear Sir:-

Referring to your favor of July 1st, Mr. Edison desires me to state that the contact machine is finished and will be tried on Monday. The other machine is coming along slowly.

With reference to your second letter of same date, Mr. Edison is still working on bricking the ore. He desires me to inform you that the Swedish Government recently tried experiments to brick ore, and failing to do so, made an experiment to find out how much fine ore could be used, with result that it was found that 70% could be utilized in an ordinary blast furnace, this amount being worked without the slightest difficulty. From this Mr. Edison gathers that the trouble of dealing with fine ore was an assumed one and had not any real foundation.

Yours truly,

Samuel Insull

July 6, 80.

A. S. Dick, Esq.,

c/o Messrs. Brown, Shipley & Co.,

London, England.

My Dear Sir:-

I have your favor of 19th ult. It is unnecessary for me to reply at length to this letter, as before the receipt of this you will have seen Mr. Tate, and will have gained from him full information as to the situation in connection with the doll business.

With reference to your suggestion about using paper cylinders similar to those used by the Graphophone Company, I would remind you that the toy phonographs will be enclosed within the body of the doll, and, therefore, children will be unable to get at the parts. You base your judgment upon the fact that you are handling the talking part of the apparatus; whereas, you should keep in mind that this will all be enclosed.

Yours very truly,

Thos. A. Edison

July 29, 40.

Mr. N. W. Goodyear,

c/o The N. S. Greeley & Co.,

8 & 7 Dey St., New York.

Dear Sir:-

Referring to your favor of July 1st, with reference to a machine for obtaining electricity direct from coal, I have to say that the machine is only in an experimental state. Mouton G. Farmer used to make a Thermo-Electric Generator, which was run by gas. It was small and a comparatively cheap machine. I would suggest that you communicate with him.

Yours truly,

Edward Weston

July 6, 80.

Mr. J. T. Hixon,

45 Southampton Row, Russell Square,

London, W. C., England.

Dear Sir:-

I enclose herewith second of Exchange on London for £4-13-10, first of Exchange having been sent you 20th ultimo, covering Mr. Wiley's indebtedness to yourself for board. Kindly acknowledge receipt, and oblige

Yours truly,

Edward Conrad

July 4, 1898.

Mr. George Munro,

Edison House "B," Northumberland Ave.,

London, W. C., England.

Dear Sir:-

I enclose herewith second of Exchange on London for twenty-five pounds, first of Exchange having been sent you on 26th ultimo, covering Mr. Wiley's indebtedness to yourself. Kindly acknowledge receipt, and oblige

Yours truly,

Private Secretary.

July 6, 99.

German National Bank,

N e w a r k, N. J.

Dear Sirs:-

Enclosed please find New York Exchange for five thousand dollars ($5,000), which place to the credit of the EDISON PHONOGRAPH COMPANY.

Yours truly,

Thos. A. Edison

July 6, 89.

Mr. H. H. Ivins, Gen'l, Manager,

New Jersey & Penn. Concentrating Works,

19 Dey St., New York.

Dear Sir:-

Referring to your letter of 2nd instant addressed to Mr. Edison, the form of agreement which you enclosed therein was taken by him, and he said that he would talk to you about it the next time he saw you.

With reference to papers of the 3rd, we enclose you the papers you ask for, duly executed by Mr. Edison and his wife. They have not been sworn to before a Notary, but we presume that you want them for some immediate purpose, and therefore send them to you as they are. You should return them before Mr. Edison goes to Europe, so that you can have them properly attested.

Yours truly,

Samuel Insull

July 8, 1880.

Benj. F. Stevens, Esq.,

New England Mutual Life Ins. Co.,

Boston, Mass.

Dear Sir:-

I beg to confirm the following telegram sent you today:-

"Can you meet me at Eaton & Lewis's office, 120 Broadway, New York, Monday morning ten o'clock instead of at my Laboratory? Answer Oriental Hotel, Manhattan Beach, New York."

Yours truly,

Thos. A. Edison

M.

Exhibit, Birmingham, July 6, 1889.

Cannot possibly. Edison.

A. Marcus, July 6, 1889.

Mills Building, New York.

Mr. Edison and myself will probably stay at the Oriental Hotel, Manhattan Beach, over Sunday.

Samuel Insull.

July 8th 1889

Messrs. Perry & Ryer
New York

Gentlemen.

I ship you this day via Belle Ex. one
(1) box containing samples of Iron Ore, for shipment to W. J. Hammer Esq. Edison Exhibit, Machinery Palace. Exposition, Paris, France.

Please receive the same and forward to destination at earliest possible moment.

Obliging
Yours &c
Thos. A. Edison
H.J.M.

July 8, 80.

Mr. John Birkinbine,

Philadelphia, Pa.

Dear Sir:-

With reference to your letter of 6th instant, please order for me 100 copies of the paper on "Iron Ore Concentration," and oblige

Yours truly,

Thos. A. Edison
N.H.

July 8, 80.

Mr. John P. Haynes,

257 Fifth Ave., New York.

Dear Sir:-

We beg to confirm the following telegram addressed to Mr. Edison received from you to-day:-

"When will you be at home, to-day or to-morrow? Want to see you important. Answer to 257 Fifth Avenue."

To which we replied as follows:-

"Mr. Edison gone out of town for a week."

Yours truly,

Edison Laboratory.

July 9, 1[illegible]

Mr. Jno. T. Quincy,

98 William Street,

New York City.

Dear Sir:-

We have just been advised by the Orange Nat'l. Bank that they have a draft on us for $2346.01, drawn by yourself. We have been compelled to order this draft returned, owing to Mr. Edison's absence from Orange. He will be away for four or five days, and until his return we can do nothing in the matter. Had you advised us of your intention to draw, we would have arranged to meet the draft, as Mr. Edison only left last night. Immediately upon his return, however, we will send you a check to cover amount of your bill.

Yours truly,

EDISON MANUFACTURING COMPANY,

July 9, 89.

Mr. H. Poole,

c/o Grasselli Chemical Co.,

Cleveland, Ohio.

Dear Sir:-

In reply to your letter of 28th ultimo, regarding "Klaterite," Mr. Edison says that no one has succeeded in working it. The samples which we have here do not dissolve and are not plastic enough to force on the wire. Have you better samples?

Yours truly,

Private Secretary.

July 8, 1889.

Col. Geo. H. Conrad,

Ightale Menlo, Upper Norwood,

Surrey, England.

Dear Sirs-

I beg to confirm the following cablegrams received from you and sent by me:-

F. A. Edison June 29, 1889.

"Can we complete cases 84, 85 Denmark?"

Conrad, Norwood, July 8, 1889.

"Complete Patents Denmark. Edison."

Yours very truly,

Thomas A. Edison

July 9, 1914.

Messrs. Dyer & Seely,

New York City.

Dear Sirs:

Your letter of 6th instant, relative to Cases 84 and 86 for Denmark, has been duly received, and I have cabled Col. Bonsal to complete the Cases referred to, in accordance with your letter.

Yours very truly,

Private Secretary.

July 10th 1879

Mr. S. Insull.
Manager
New York

Dear Sir.

The Phonoplex circuit on the Pennsylvania RR between Jersey City and Philadelphia was turned over to that Company this morning.
Tomorrow morning I start for Altoona to put up the new battery for trial.
Will report to you when I return.

Yours very truly
W. B. Logan

July 10, 89.

T. C. Barry, Esq., Sec'y. & Manager.,

The Electrical & Industrial Exhibition,

Birmingham, England.

Dear Sirs

I beg to confirm the following cablegrams received from you and sent by me:-

THOMAS A. EDISON. June 30, 1889.

"Will you honor us by attending opening Electrical Exhibition first August. Exhibit."

EXHIBIT, BIRMINGHAM. June 30, 1889.

"Not the opening, but some time in August Edison."

THOMAS A. EDISON. July 3, 1889.

"Will you honor us by performing opening ceremony first August representative reception? Exhibit."

EXHIBIT, BIRMINGHAM. July 3, 1889.

"Am sorry; do not leave in time. Edison."

THOMAS A. EDISON. July 4, 1889.

"Committee regret your reply. Cannot you possibly arrange? Exhibit."

Kerlwin, Washington. July 8, 1[illegible]

"Cannot possibly. Relaxon."

Yours very truly,

July 10, 89.

Col. George E. Gouraud,

Little Hayes, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

THOMAS A. EDISON.

T. A. EDISON. "Send [illegible] June 20, 1889.
also six [illegible] new [illegible]
"Ship [illegible] mailing
firm order."

HENRY, PARIS.

T. A. EDISON. July 2, 1889.
"[illegible]
"Have [illegible] quite out."

THOMAS A. EDISON.

GOURAUD, NORWOOD. "[illegible] July 3, 1889.
[illegible]
"Shipped barrel last week. Edison."

HENRY, PARIS.

Yours truly,

"[illegible]
[illegible] June 11th, 1889
send [illegible]"

THOMAS A. EDISON.

July 18, 89.

Dear Sir:-

I beg to confirm the following cablegrams received from you and [illegible]

THOMAS A. EDISON, June 28, 1889.

"Send fifty each phonograph diaphragms, also six spectacles; have test sockets [illegible] May 19th. Hamer."

EDISON, PARIS, July 1, 1889.

"Diaphragms spectacles shipped June 28th, [illegible] 19th. Edison."

THOMAS A. EDISON, June 29, 1889.

"When and how did you send tremble phonographs? Want them for jury. Hamer."

EDISON, PARIS, June 29, 1889.

"Have you received our shipments phonograph material May 19th, June 11th, 18th and 23rd? Edison."

THOMAS A. EDISON, July 1st, 1889.

"Shipments May 19th and June 11th arrived Hamer."

W. J. H.

THOMAS A. EDISON, July 1, 1889.

"Graphophone people state Edison pays royalty on each phonograph equal to each of graphophones; thus gives Edison's factories equal for jewelry quick. Kenner."

EDWARD, PARIS. July 1, 1889.

"Company to which I sold phonograph negotiating for purchase of graphophone, whose owners know that if both interests were under one control and choice of machines left impartially to public without competition their instruments would be ignored and their factories suffer great loss in consequence. Therefore, to save themselves they wanted from purchasing company a fixed sum on each phonograph, not as royalty, but as consideration for a commercial transaction and to make up the loss they anticipated in combining. Tainter's statement not correct regarding wax. Graphophones have been abandoned everywhere for want of utility. Whole thing absolutely dead here just as they expected. Edison."

THOMAS A. EDISON. July 1, 1889.

"Tall Bachelor shipments June 11th just received. Probably Baldwin holds shipments back. Wangemann's cases not arrived. Kenner."

W. J. H.

THOMAS A. EDISON.

July 8, 1884.

"Three bottles [illegible] alum bottle of [illegible], packing crushed. Can make solution [illegible] very specialists instructions needed while. Tell Kennedy. Harper."

Newark, Paris.

July 3, 1880.

"[illegible] drops sulphuric acid each gallon [illegible] solution. Edison."

"Yours truly, [illegible]

THOMAS A. EDISON.

July 1, 1880.

"Tell [illegible] received. Probably [illegible] work. [illegible]"

Effie Stewart, July 11, 1880.

31 Evergreen Pl., East Orange, N. J.

Pleasant obliged to leave on four nineteen train.

M. J. Hagan.

Thomas B. Connery, July 18, 1880.

c/o Edwin M. Fox,

147 Kansas St., New York.

Mr. Edison out of town. Will not return until Monday.

EDISON LABORATORY.

July 13, 89.

Mr. S t e r n,

9 St. Mark's Place,

New York City.

Dear Sir:-

In reply to your inquiry of 11th instant, Mr. Alfred Wiener's present address is, c/o The Edison Machine Works, Schenectady, N. Y.

Yours truly,

Private Secretary.

O. Scott,

365 Market St., Newark, N. J.

July 13, 1889

Like to see you at Edison Laboratory, Orange. Making patterns to-day.

Edison.

July 15th 1889

Thos. Butler Esq
19 Dey Street
New York

Dear Sir:

I beg to acknowledge receipt of your favor of the 12th inst regarding 5 notes of the Edison Phonograph Works for which please accept my thanks.

Yours truly
John B. Randolph.

Thomas B. Connolly,
c/o Fox in M. Fox,
147 Nassau St., New York.

July 15, 1889.

Mr. Edison not expected until late to-night. Will write you making appointment.

EDISON LABORATORY.

July 15th 89

Mr W. F. Taylor
Div Opr
Altoona Pa

Dear Sir

We send you by Express today two battery jars and two sticks of Soda. In putting up the 10th cell of battery please use the new sticks of Soda filling the jar with water to about two inches from the top.
The extra jar we send to fill any breakage in transit.
I think that the battery is still giving good service and that the 10th cell will bring it up to the standard.
Filling the jars too full of water may cause it to flow over.

Yours truly
(R. L.) Tate
Electr

July 15th 1889

Lawrence T. Bell Esq.
Inspector of Child Labor
Orange, N. J.

Dear Sir:-

A few days ago a lady wrote to me and sent the letter by a little boy asking me if I could get him a position as his mother was a widow and this boy was the oldest of four children, and I obtained the boy a place this afternoon, and after doing so I found out he is only twelve years old, and besides this one we still have another about the same age.

We would like very much to keep these boys and I know that in both cases it would be a great help to their parents to have them work, but we cannot want to keep them if some day we will have to pay a fine for having them.

Hoping to hear from you in regard to the above I remain

Very truly
John P. Randolph
c/o Edison's Laboratory
Orange
N. J.

July 16, 98.

Mr. Ira D. Holmes,
N. Y. Photograph Co.,
287 5th Ave., New York.

Dear Sir:-

With reference to your telephone message of to-day, I beg to confirm the call being telephoned sent you this afternoon. I shall be glad to see him at laboratory to-morrow between eleven and twelve.

Yours truly,

July 19, 98.

The Canadian Copper Co.,
Mr. H. W. McKinnon, Sec'y. Treasr.,
Cleveland, Ohio.

Dear Sir:-

I beg to advise you that the bal. of roasted ore and bal. of matte referred to in your letter of 16 ultimo, were rec'd. in good mechanical condition.

Yours truly,

July 14, 80.

Mr. Batchelor,-

Mr. Edison requests me to refer the enclosed correspondence from Gourand and Hamilton to yourself, for report.

Yours truly,

[illegible]

July 16, 80.

T. B. Connery, Esq.,
c/o Edwin H. Fox,
147 Nassau St., New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:

"Have cabled Gourand, asking for an extension of time."

Yours truly,

[illegible]

July 16, 89.

T. S. Conway, Esq.,
c/o Edwin N. Fox,
147 Nassau St., New York.

Dear Sir:-

I beg to confirm the following telegram received from you to-day:-

"Please telegraph Fox some general assurance can be used to-day."

Yours truly,

July 17, 1889.

Henry Villard, Esq., President,

The Edison General Electric Company,

New York City.

Dear Sir:-

Referring to your verbal request for my opinion as to making a contract with the house of Siemens & Halske, I beg to state that I am in favor of an arrangement being made, whereby close business relations would be established between the General Company and that firm. I think it would be desirable to obtain from Siemens & Halske a complete plant for the manufacture of underground cables for telegraph, telephone and electric lighting service (except such portions of the plant as can be manufactured in our own establishments to better advantage), on the general basis set forth in the draft contract which you sent me, providing that the contract allows the General Company to use its own electric tube system and the factory which they now have in such cases as the technical authorities of our Company may deem necessary. I see no objection to our using the Siemens cable system

H. V. -2-

instead of our own, with the exception of the reservation above made, and I am confident that the General Company could work up a large and profitable outside business in Siemens cables in a comparatively short space of time.

Yours very truly,

Thos A Edison

Edwin H. Fox,

147 Nassau St., New York.

July 17, 1889.

Will grant two months extension on my own responsibility. Cannot extend further until authorized by Gouraud.

T. A. Edison.

July 17, 1889.

Messrs. Dyer & Seely,

New York City.

Dear Sirs:-

I beg to acknowledge receipt of your letter of 10th instant, addressed to Mr. Edison, enclosing official receipts for the 4th year's tax on the latter's British patents Nos. 7582 and 7584, which relate to the phonoplex telegraph; also assignment which has been executed by Mr. Handford, and which includes eight patents taken out in Mr. Handford's name as communications from Mr. Edison; also British Patents Nos. 3005, of 1881; 1862, of 1882; and 1022, of 1883, all in the name of Thomas John Handford, and relating to Improvements &c. in Electric Railways.

Yours truly,

Geo. Gade

Private Secretary.

July 18, 89.

Mr. English,-

I wish you would answer this letter direct to Mr. Glass. We have another letter from him in which the following paragraph occurs:

> "We are putting in treadle machines here and supplying power with small motor of a Company already established for running sewing machines; it is a rather cumbersome system, but the best we can do. As there are no dynamos in San Francisco which will supply a current of the right voltage and quantity for the motor phonograph, and to obtain one and establish a station would involve a delay of at least three months."

Will you please answer the above paragraph at the same time.

Yours truly,

Samuel Insull

S.

July 13, 89.

My Dear Glass,-

Your letter of 9th instant addressed to Mr. Edison, and of the 11th addressed to Mr. Tate, came duly to hand. The former has been sent to the Phonograph Works, and you will get an answer from them probably by same mail that you receive this. The latter I have sent to Tate, who is now in London, with the request that he will see Mr. Gourraud and cable me with relation to the territory you speak of. As soon as I hear from Tate, I will advise you.

Yours very truly,

Samuel Insull
Jr.

Louis Glass, Esq.,
323 Pine St., San Francisco, Cal.

June 18, 88.

Everett Frazar, Esq.,

124 Water St., New York City.

Dear Sir:-

Your favor of 16th inst., addressed to Mr. Edison, came duly to hand. The phonogram you ask for will be prepared and sent into you within the next three or four days.

Yours very truly,

Samuel Insull

July 18, 1889.

James Dredge, Esq.,

35 & 36 Bedford St., Strand,

London, W. C., England.

My Dear Sir:-

I understand that Mr. O. S. Wiley borrowed thirty pounds from you. As Mr. Wiley went to you from me, I am naturally very unwilling that you should be a loser in consequence thereof. If Mr. Wiley is indebted to you for the amount above stated, please draw upon me for it, and the draft will be honored upon presentation.

Yours very truly,

Thos. A. Edison

A.

July 18, 89.

My Dear Chadbourne,-

Your letter of 6th instant addressed to Mr. Edison, came duly to hand. The illustrious inventor referred to therein, turned up yesterday.

I understand that Mr. Edison has ordered a club, for the purpose of chastising any of his considerate friends who may desire to land on him inventors and other cranks. Under the circumstances I would advise you to come around with a surgeon.

With kind regards, and wishing you no harm

I remain, very sincerely yours,

Samuel L. Dowell
M.

Dr. Edwin R. Chadbourne,

31 West 25th St., New York.

July 18, 1889.

Dear Mr. Vail,-

Your favor of 12th instant addressed to Mr. Edison, came duly to hand, and has been perused by him. I find on the letter a pencil memorandum in Mr. Edison's writing, as follows:

> "Say to Vail I am sorry he did not have the nerve to take a step which would have made him eventually a coupon cutter."

Yours very truly,

Samuel Insull
Sec.

J. H. Vail, Esq.,
c/o Sprague Electric R'y. & Motor Co.,
New York City.

July 18, 89.

Lewis Miller, Esq.,

A k r o n , Ohio.

My Dear Sir:-

Referring to your favor of 9th instant, there must be something wrong in the analysis you sent me, as the total doesn't foot up 100%. The original ore had about 20% iron in it. We simply raised the concentrate to 41.5 by tumbling. It probably could be got up to 45%, which is equivalent to a 55% magnetic ore.

Yours truly,

Thos. A. Edison

July 18, 89.

Major S. B. Eaton,

120 Broadway, New York.

My Dear Sir:-

I enclose you herewith a letter from the Attorney for Collection of Arrears of Personal Taxes, of New York City, which states that they have a claim against Mr. Edison for $557.06. Will you please look into this matter, and see if you can get Mr. Edison relieved of the claim.

Yours very truly,

Samuel Insull

July 18, 89.

A. A. Knudson, Esq.,

St. John, N. B.

Dear Sir:-

I beg to confirm the following telegrams received from you and sent by me:-

T. A. Edison, July 10, 1889.

"Thompson Welding Co. decide to send complete exhibit here, privilege on patent question affecting them being satisfactory. It only remains for you to exhibit to make us complete and happy. Can we expect it?"

A. A. Knudson. July 18, 89.

"Commissioners decision unsatisfactory. Phonograph Company refuses to take the risk."

Yours truly,

Wm. A. Gordon

July 18, 89.

T. H. Powers Farr, Esq., Sec'y.,

Essex County Country Club,

Orange, N. J.

Dear Sir:-

Mr. Edison has asked me to acknowledge the receipt of your favor of 15th instant, informing him that at a meeting of the Governors, held on the 12th inst., he was duly elected a member of the Essex County Country Club.

I have much pleasure in enclosing herewith Mr. Edison's check for $125, in payment of the Initiation fee, and semi-annual dues. Kindly acknowledge receipt of same, and oblige

Yours very truly,

A. O. Tate

Private Secretary.

July 19, 1889.

Henry Villard, Esq., President,

The Edison General Electric Company,

New York City.

Dear Sir:-

Referring to your verbal request for my opinion as to making a contract with the house of Siemens & Halske, I beg to state that I am in favor of an arrangement being made, whereby close business relations would be established between the General Company and that firm. I think it would be desirable to obtain from Siemens & Halske a complete plant for the manufacture of underground cables for telegraph, telephone and electric lighting service (except such portions of the plant as can be manufactured in our own establishments to better advantage), and give the cable a fair trial, having the right to use the cable thereafter so far as the conditions of our business may make it desirable for us to do so. I see no objection to our using the Siemens cable system instead of our own, with the exception of the reservation above made, and I am confident that the General Company could work up a

large and profitable outside business in Siemens cables in a comparatively short space of time.

Yours very truly,

July
~~June~~ 18, 1889.

My Dear Tate,-

You will get a confirmation of the various cablegrams which have passed between us from my Dey St. office. It is, therefore, unnecessary for me to confirm them again in this letter.

With reference to Connery and the Mexican Company, I enclose herewith some copies of letters which we have received from Mr. Connery, and on these letters Mr. Edison extended Mr. Connery's option for two months. I wired you last night to this effect and asked you to get Mr. Gouraud's confirmation of the matter.

I also enclose herewith letter from Glass, with relation to some territory which he has been in communication with Gouraud about. I have written Glass, stating that I have forwarded his letter to you, with the request that you see Mr. Gouraud and cable me the reply. I will advise Glass by wire as soon as I get your telegram.

Referring to the Seligman matter, you surely remember seeing Jesse Seligman with me on the day of the Naval Parade. You will also, I am sure, remember me absolutely refusing to make an offer for the phonograph as coming from Mr. Edison. I told Mr. Seligman that he would have to deal with Gouraud first, and when Mr. Seligman

pressed me for a figure at which his Syndicate could purchase Mr. Edison's interest in Gouraud contracts, I told him that it was useless to try to deal with Mr. Edison until he had dealt with Mr. Gouraud. You will probably recollect that finally I named seven hundred and fifty thousand dollars for Mr. Edison's interest, plus manufacture, and the contract to provide for certain limitations so far as the use of Mr. Edison's name is concerned. This was named entirely upon my own responsibility. In doing so you will recollect that I refused absolutely to involve Mr. Edison.

Under these circumstances, Mr. Moriarty might almost be complimented in the same manner in which the illustrous O'Connell complimented Mr. Disraeli, when he politely referred to that gentleman's connection with one of the participants in the little crucification affair that occurred about eighteen hundred years ago. I would like you to have been present at the interview that occurred right after the receipt of the first telegram, detailing what Moriarty was doing. It so happened that prior to your telegram getting here, the Seligmans had sent for me, and when I went to their office I had the advantage of the information which you had sent. Of course Seligman disclaimed all responsibility for Mr. Moriarty's threats, and I told them that it was nonsense to talk about any such figure as $200,000 for Mr. Edison and Mr. Gouraud's interest.

Directly I finish dictating this letter I am going to see the Seligmans again, and answering bluff with bluff, I am to tell them, on behalf of Mr. Edison, that they can either deal with Mr. Gouraud or else go ahead with their own business, and we will go ahead with ours.

While the Seligmans' position may be very strong financially - and is undoubtedly very strong financially - they realize the great importance of Mr. Edison's name, to enable them to successfully launch Companies in Europe. You will remember that at the conversation at the Phonograph Works, on the Saturday before you left, I intimated that the Seligmans could probably frustrate our efforts to establish Companies if they so desired. The clannishness of the Jew bankers of Europe is proverbial. On the other hand, you should also remember that people whose influence may be very great to do us harm, may not be equally as great in preventing us from doing them harm. The searing of investors is a role which we are just as capable of filling as Seligman Brothers and their Jewish friends. Nobody realizes this better than Mr. Gouraud, I am sure.

We are particularly anxious to hear from you as to Mr. Gouraud's "other connections." My own opinion is that he has none, and that the letter which he wrote out here, and on which you really went to London, was written in consequence of the overtures made by the Seligman people or their representatives.

We have a letter from Gouraud which says: "I now give you a firm order for 1,000 machines." Nothing is said whatever about

payment, and we wired you in consequence, asking you to arrange a credit here in New York, so we can get our money on presentation of invoices and bills of lading. I hope to hear from you on this subject within a day or two.

Tomlinson, Gilliland and Toppan sailed for Europe last Saturday. I have no definite information as to the cause of their visit to London, but I have always believed that Seligman originally went into the Graphophone business at the solicitation of Tomlinson. You may remember my suggesting such a thing last May. I have absolutely no evidence that this is a fact, but I consider that these three gentlemen will be worth watching. Gilliland used to stay at the Langham. Anyway you can find out a good deal about their movements I am sure at the American Exchange in London. If you want any assistance in finding out what these gentlemen are doing, my father will very gladly help you in watching their movements.

We have got a great deal of correspondence here from Gouraud. There is nothing in it of very great consequence, and in view of the fact that you are in London and fully posted as to what we want, I think that I will allow the enemy to answer the letters, and simply put them on file. Anyway we don't want to have any communication with Gouraud, except through you, and if we answer his letters, it will end in our getting a great deal of correspondence from him, about which you will know nothing.

A. O. T.,

-2-

There is nothing particularly new to write you about so far as general business is concerned. The Phonograph Works is running along pretty well, and I think that by the time Mr. Edison gets back from Europe, we will be able to show him a pretty good balance sheet.

I enclose you herewith extracts from some letters, which indicate that the phonograph is rapidly forging ahead of the graphophone.

Mr. Edison has been away for a week in Pennsylvania and returned last Sunday. If all he says and all Livor says, turns out so, the iron concentrating business will be a tremendous bonanza, and I shall retire to the solitude of a country seat in the South of England upon the income which I will get from my interest in the New Jersey and Pennsylvania Concentrating Works.

I hope before you get this letter you will have seen some of the people I gave you introductions to and will have posted us as to the general state of affairs of phonograph matters, and the exact negotiations which Mr. Gouraud has in hand.

A. O. Tate, Esq.,
Hotel Metropole, London,
England.

EXTRACTS FROM LETTERS REGARDING THE PHONOGRAPH.

Nebraska Phonograph Company. We are well pleased with the new phonograph and think it a most excellent machine.

Kentucky Phono. Co. We are also greatly pleased to state to you that we are having immense success in our new line of business, and have placed a number of machines. We are very sorry to state, however, that your "friends," the Graphophones, are not meeting with as great success as we should like. The Phonograph has taken the place of the Graphophone in fifteen instances here in Louisville.

H. F. Fox, Phono. Works Expert, at present in Louisville. There were 38 Graphophones in Louisville two weeks ago, and no one will have one in their places, so they have been shipped to Cincinnati.

M. B. Kitt, at present with the Kansas Phono. Co. Wherever the Graphophone has been placed the Company's subscribers demand a change for

the Phonograph. No complaints as regards the working of the machine; a general feeling of satisfaction exists everywhere. The Kansas Phono. Co. officials have been up to a week ago strongly in favor of the Graphophone because of its so-called simplicity, but they have been compelled to exchange every graphophone for the phonograph because of the miserable reproduction. I have been at the offices of many of the prominent subscribers and have heard the expressions of satisfaction The Kansas Phono. Co. have about 250 phonographs in actual use . . . None of the subscribers seem to think the machine not practical.

F. G. Downing, Expert, at present in Pittsburgh. The relative merits of the phonograph and Graphophone as entertained by the people here I have ascertained. At first it was all grapho.; now it is all phono. Orders are continually arriving for the latter while the former moves but slow. Two Graphophones came back to-day to be exchanged for phonographs.

K i t t. There are 15 Graphophones out and we are going to replace them with your machines as soon as we get batteries. To use

Mr. Root's words: "The Graphophone is not worth Hall-room."

July 20th 1889

Thos. Butler Esq
19 Dey Street
New York

Dear Sir:

Referring to your favor of the 19th inst I beg to enclose you herewith certificates Nos 982 & 983 in the name of Mr C. H. Butler,

You will notice that the Seal is not on the Certificates as it is in the Safe at 19 Dey Street will you kindly attend to same and oblige.

Yours truly
J. B. Randolph.

P. S.

In regard to check for N. J. & Penna Cont. Works Mr Insull says they will have to wait a little while for a check

J. B. R.

July 20, 89.

Hon. Hugh J. Grant, Mayor,

New York City.

Dear Sir:-

I have pleasure in acknowledging receipt of your favor of the 17th inst., but regret that owing to previous engagements I shall be unable to accept your invitation to attend the conference to consider the advisability of holding an International Exposition at New York in 1892. I would add, however, that I am thoroughly in sympathy with such an enterprize, and shall be only too glad to do everything in my power to assist in the movement.

Yours truly,

July 20, 80.

Prof. William D. Marks,

The Edison Gen'l. Electric Co.,

44 Wall St., New York City.

My Dear Sir:-

I am obliged for your favor of 18th instant, with relation to the Philadelphia Station, and am glad that you find it possible to sell electric light in Philadelphia at the same price as gas.

Yours very truly,

July 20, 89.

Thomas B. Connery, Esq.,

c/o Edwin M. Fox, Esq.,

#147 Nassau St., New York.

Dear Sir:-

I have received a reply from London, from Mr. Pope, stating that he has arranged with Mr. Gourraud for a two months extension of your option on Mexico for the phonograph, and that a written confirmation of this follows by mail. As soon as a confirmation arrives I will communicate with you again.

Yours truly,

July 20, 89.

Edwin H. Fox, Esq.,

147 Nassau St., New York.

My Dear Sir:-

I have your favor of 19th instant, and in reply beg to state that, personally, I should be very glad to see Mr. Cornery here at any time he is able to come out. If, however, he wishes to discuss phonograph matters, I would suggest that he calls on Mr. Samuel Insull, at the Edison Electric Light Co., No. 44 Wall St., New York. Mr. Insull has general charge of all these matters for me, and as I am expecting very shortly to go to Europe, and am naturally under the circumstances very much occupied, I think it would be much better to let Mr. Insull deal with the Mexican matter.

Yours very truly,

July 20, 1888.

John Hoey, Esq.,

59 Broadway, New York City.

Dear Sir:-

I am anxious to find out something about Mr. Edgar S. Allien. I am negotiating with him to bring out a new toy doll, and he has mentioned you as knowing something about him. Any information you give me will, of course, be received by me in absolute confidence. An early reply will greatly oblige

Yours truly,

July 20, 1899.

Henry Rogers, Esq.,

#419 Broome St., New York City.

Dear Sir:-

I am anxious to find out something about Mr. Edgar S. Allien. I am negotiating with him to bring out a new toy doll, and he has mentioned you as knowing something about him. Any information you give me will, of course, be received by me in absolute confidence. An early reply will greatly oblige

Yours truly,

July 20, 1889.

R. Dunlap, Esq.,

Fifth Avenue Hotel,

New York City.

Dear Sir:-

I am anxious to find out something about Mr. Edgar S. Allien. I am negotiating with him to bring out a new toy doll, and he has mentioned you as knowing something about him. Any information you give me will, of course, be received by me in absolute confidence. An early reply will greatly oblige

Yours truly,

July 20, 90.

James H. Breslin, Esq.,

Gilsey House, New York City.

Dear Sir:-

I am anxious to find out something about Mr. Edgar S. Allien. I am negotiating with him to bring out a new toy doll, and he has mentioned you as knowing something about him. Any information you give me will, of course, be received by me in absolute confidence. An early reply will greatly oblige

Yours truly,

July 20, 89.

G. A. Stevens, Esq.,

Public Stores, Lake & Washington Streets,

New York City.

Dear Sir:-

I am anxious to find out something about Mr. Edgar S. Allien. I am negotiating with him to bring out a new toy doll, and he has mentioned you as knowing something about him. Any information you give me will, of course, be received by me in absolute confidence. An early reply will greatly oblige

Yours truly,

July 20, 80.

Benj. F. Stevens, Esq.,

New England Mutual Life Ins. Co.,

Boston, Mass.

Dear Sir:-

Mr. Edison requests me to acknowledge your several favors to him. The delay in replying to your letters is owing partly to the fact that Mr. Edison has been away, and partly to the fact that inasmuch as his Private Secretary is absent, his correspondence has to wait until such time as I can spare a day to attend to it. Under the circumstances you will, therefore, excuse Mr. Edison's apologies for not replying earlier.

We shall doubtless hear from Mr. Dick before long as to exactly what Mr. Dick was able to find out in Somerberg with relation to some dells having been ordered there. Up to this writing we have no further information than that already possessed by you.

I have seen a number of men who are anxious to occupy the position as Gen'l. Manager of your Company, but none of them have impressed me so well as Mr. Allien, who came to me with a letter of introduction from you to Mr. Edison this morning. Mr. Allien

had a long talk with Mr. Edison and myself, and I have got all of his references, some of which are well known business people in New York; others are parties connected with the doll trade. I will hunt up these references Monday and Tuesday, and will go to Boston and see you, with Mr. Allien, either on Wednesday or Thursday night. Will you please let me know by return mail at the United Edison Manufacturing Co., No. 44 Wall St., New York, whether you will be at your office on Wednesday and the balance of the week.

I am strongly of the opinion that in order to get the doll business well started, your Company should appoint a Manager, and let him take hold of the work and push it at all points. Of course I will do everything I possibly can to assist him, and will in the general interest keep a run of the business here in New York; but my time is so much occupied with Mr. Edison's numerous interests that it is practically impossible for me to give any detailed daily attention to a matter of this kind, and, of course, in order to catch the next Christmas market it will require constant and unremitting work on the part of the Manager of the Company.

Yours truly,

July 20, 1892.

William D. Marks, Esq.,

Westport, Essex Co., N. Y.

My Dear Sir:-

I have your favor of July 16th.

At the time the arrangement was made with you to become Engineer in Chief of our new Company, I had no idea that you expected to be held alone responsible to myself and Mr. Villard. I am not an official of the Edison General Company, and in any event every officer of a Company must, of necessity, be held accountable to the Company itself through its proper representatives. I understand that your objection is to working under Mr. Herrick's direction. Mr. Herrick is the Vice-President of the General Company. The Vice-President takes the position of the President when he is not there, and as Mr. Villard does not pretend to attend to the details of the General Edison Co's business, it necessarily follows that all officials of the Company have to report to the Vice-President, Mr. Herrick. If you have misunderstood the nature of the position that you would occupy, I am indeed sorry.

With reference to the suggestion you make as to your resigning, this is a matter that so far as I am personally concerned, I prefer to leave entirely to yourself. However much I would like to see you remain an officer of The Edison General Electric Company, I would not for one moment be inclined to urge you to stay against your own wishes.

Yours very truly,

Thomas A. Edison

July 20, 89.

W. J. Hammer, Esq.,

Paris, France.

Dear Sir:-

I beg to confirm the following cablegram, which was forwarded to the Lamp Co. for attention immediately upon receipt:-

Edison. Paris, July 18, 1889.

"Send three hundred each red and blue lamps;

one hundred each opal and frosted. Hammer."

Yours truly,

Thos. A. Edison

A.

July 27, 1889.

Dr. A. R. C. Selwyn,

Director Geological Survey,

O t t a w a , Canada.

Dear Sir:-

Will you please send me copies of recent Canadian Geological reports. I should also like to obtain a copy of Sir Wm. Logan's Report on the Geology of Canada, 1863, with maps &c. If you can furnish me with these reports I shall be very much obliged, and if there is any expense attached to same, please send bill and I shall remit.

Yours truly,

Thos. C. Sidney

July 22nd 1889

Saml. Insull Esq
19 Dey Street
New York

Dear Sir:-

I beg to advise you that I received this morning a check from A. B. Dick Co. for $ 507.35 being royalty on Mimeograph for April, May and June.

Yours truly
J. R. Randolph.

July 22, 89.

Mr. H. K. Nixon,

N. J. & Penna Concentrating Works,

15 Dey St., New York.

Dear Sir:-

With reference to your letter of 18th instant, in regard to the diameter and width of the pulley on the small pair of rolls which we propose sending down to Bechtelsville, Mr. Edison says that Brennan took the necessary measurements.

Yours truly,

Private Sec'y.

July 22, 1890.

Edward T. White, Esq.,

The New York Telegraph Club,

#48 Church St., New York City.

My Dear Sir:-

Mr. Edison has asked me to acknowledge the receipt of your letter under date 17th instant, and to thank you for the kind invitation embodied therein for him to visit The New York Telegraph Club.

Mr. Edison contemplates a trip to Europe this summer, which will prevent an immediate acceptance of your invitation. On his return from abroad, however, he will be glad to avail himself of your kindness, and if possible will try and arrange to visit your Club.

Mr. Edison asks me to say to you that he would consider it an honor to be elected a member of The New York Telegraph Club.

Yours very truly,

Private Secretary

July 22, 89.

A. B. Dick Co.,

Chicago, Ills.

Dear Sirs:-

I beg to acknowledge receipt from you of N. Y. Exchange for $507.35, covering royalties on Mimeograph for the months of April, May and June, 1889, for which please accept thanks.

Yours truly,

Thomas A. Edison

July 22, 89.

Mr. Edward N. Beane,
Llewellyn Park, N. J.

Dear Sir:-

In reply to your letter of 18th inst., asking for an interview with Mr. Tate, I beg to inform you that the latter is at present in Europe, and will be absent about two months.

Yours truly,

Steno.

July 23, 89.

Alfred O. Tate, Esq.,

Hotel Metropole,

London, England.

D e a r S i r :-

I beg to confirm the following cablegrams rec'd. from you and sent by me:-

Edison. July 18, 1889.

"How many machines weekly can you ship to fill Gouraud's order? Tate."

TATE. July 18, 1889.

"About twenty daily. Shall we ship direct London by freight? Does Brazil order go London or direct from here? Edison."

EDISON. July 18, 1889.

"Sonza taking Brazil agency requires one each treadle, motor phonograph, battery, extra recorder and reproducer, barrel blank shipped Saturday sure, cable departure, Sonza awaits. Gouraud wants six new spectacles same time. E."

EDISON. July 19, 1889.

"Express Brazil order Gouraud, London."

Y o u r s t r u l y,

THOMAS A. EDISON.

N

July 22, 98.

Mr. William M. Hibble,

Fort Myers, Fla.

Dear Sir:-

Mr. Edison has received your letter of 11th instant, and in reply says that you can take lumber on account of the smoke stack; also, you can go ahead with the carpenter work which you refer to.

With reference to your letter of 16th instant, I return herewith bills enclosed therein. Kindly send bills for goods which were used for Mr. Edison's benefit, and charge Gilliland for his portion. In future keep the two accounts entirely separate. Your understanding as to charges for wharf repairs, as expressed in your letter of 16th inst., is correct - that is one-half is to be charged to Gilliland, and one-half to Mr. Edison.

Yours truly,

A. Tate

Private Secretary.

July 22, 89.

Mr. E. H. Brooks,

The Edison Electric Illuminating Co.,

Lebanon, Pa.

Dear Sir:-

Your letter is received. I have spoken to Mr. Edison about your visit with Mr. Coleman, and he would be very glad to have the party visit the works at Bechtelsville. I have sent your letter to Mr. Liver, No. 10 Dey St., New York, who is the Manager of the Ore Milling business, and when the factory is ready to be shown, he will invite you so that you can go and see it. At present there are making some needed alterations before they will be able to run again.

Yours truly,

Chas. Batchelor.

M.

July 22, 1[illegible]

My Dear Liver,

Enclosed I hand you a letter from our Mr. [illegible] Groff, of Lebanon, Pa. I have written and told him that you would invite Mr. Coleman to come and visit the plant at Bethlehem. I told him you were making some necessary improvements and that when you were ready that you would invite him to see the machine in operation. This is according to Mr. Stiegel's wish. You will no doubt know Mr. Coleman, as he is one of the richest mine owners in that section of the country.

Yours very truly,

Chas. Batchelor.

M.

Mr. H. M. Liver,

New York.

July 22, 80.

E. R. Stoughton, Esq.,

Shelby, Ala.

Dear Sir:-

Mr. Edison asks me to say in reply to your letter of last inst., re Patti phonograms, that we are not fully equipped yet to duplicate phonographic cylinders, but will be shortly, when you will be able to obtain what you desire.

Yours truly,

Private Sec'y.

July 24, 1889.

Orsch T. Rhoads, Jr., Esq.,
706 Walnut Street,
Philadelphia, Pa.

Dear Sir:-

Your letter of 12th instant addressed to Mr. Edison, informing him of the award by the City Trust, Philadelphia, of the Scott Legacy medal, for the Mimeograph, has been duly rec'd.

Mr. Edison asks me to thank you for the trouble which you have taken in the matter, and he will be very pleased to do as you request. Kindly let him know by return mail to whom the letter authorizing you to receive the medal should be addressed, and the same shall be forwarded to you at once.

Yours very truly,

Private Secretary.

July 24th 1889

J. Hutchinson Esq
N. J. and Penn Concentrating Works
19 Dey Street
New York.

Dear Sir:-

Referring to your favor of the 22nd inst, I beg to enclose you herewith with Mr Edison's signature as per your request the following certificates:

No 1	Thomas A. Edison	100	Shares
" 2	Robert L. Cutting Jr	100	"
" 3	Saml. Insull	30	"
" 4	Henry M. Livir	30	"
" 5	W. H. Perry	30	"
" 6	Alfred O. Pate	5	"
" 7	Joseph Hutchinson	5	"

The reason I did return the above to you more quickly is that I was unable to get at Mr Edison until this morning

Yours truly
John F. Randolph

July 24th 1889

Saml. Insull Esq
19 Dey Street
New York

Dear Sir:-

I beg to advise you that I have in the German National Bank of Newark $12 61.00 and I will need to meet Pay Rolls on Saturday at least $1800 but should have a little more in the Bank to meet drafts if any comes in.

I would like to make a suggestion and that is this, I have two notes from the Edison Phonograph Works amounting to $11000.00/100 and as the German National Bank of Newark holds none of the Edison Phonograph Works paper from Mr Edison I think they would discount it for Mr Edison.

If this meets with your approval I will take same to Mr Douglass the cashier and see what I can do.

Yours truly
John B. Randolph

July 24, 89.

Mr. James E. Browne,

375 Morris Avenue,

Elizabeth, N. J.

Dear Sir:-

With reference to your letter of 22nd instant, Mr. Edison says, for you to send a cell of the battery which you mention to the Laboratory for test, satisfy him in regard to infringement, and he will then talk business.

Yours truly,

A. O. Tate

Private Secretary.

A.

July 24, 89.

Wm. M. Brock, Esq., Manager,

Edison Electric Illuminating Co.,

P a t e r s o n , N. J.

Dear Sir:-

Mr. Edison has received your letter of 22nd instant, also the four lamps which were returned to you by the Phoenix Mill people. He says that the trouble with the latter is due to inferior clamp paste having been used, and has written the Lamp Co. a very strong letter in regard to the matter, which I think will prevent a similar recurrence in the future. You will doubtless hear direct from the Lamp Co. in a day or so.

Yours truly,

A. O. Tate

Private Secretary.

M.

July 24, 1880.

The Edison Lamp Company,

Harrison, N. J.

Dear Sirs:-

I enclose herewith copy of a letter, dated 22nd instant, from William M. Brock, Manager, Edison Electric Illuminating Co., Paterson, N. J., addressed to Mr. Edison, upon which the latter has made the following note:-

> "Mr. Marshall should personally investigate this. It is due undoubtedly to inferior clamp paste or carelessness in putting in. This defect at clamp, which is a known thing, is a DISGRACE to the Lamp Company. There is some excuse in a filament, which we have to guess about, but not so with clamping &c. E."

Your Mr. Marshall has examined the four lamps referred to in Mr. Brock's letter, and he says that the trouble is due to

defective clamping.

Kindly give this matter your immediate attention, and oblige

Yours very truly,

A.D. Gale

Private Secretary.

H. M. Livens,

Rockwellville, Pa.

July 23, 1890.

Drawing for small engines went forward to Schenectady to-day.

T. A. Edison.

July 25, 89.

Col. George Ward Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

E d i s o n. July 25, 1889.

"Have you mailed Case 88 regarding Bramwell?"

Gouraud, Norwood. July [illegible]

"Papers re Case 88 mailed. Edison."

Yours truly,

Thos. A. Edison.

M.

July 25, 1898.

Mr. T. C. Simons, Manager,

The Bristol Iron Co., L'td.,

Bristol Mines P. O., Pro. Quebec, Canada.

Dear Sir:-

With reference to your letter of 20th instant, addressed to Mr. Edison, the latter desired me to say, that his Ore Milling process is for concentrating iron ores from 30 per cent to 65% and 67%, and eliminating phosphorous and sulphur without roasting. The smallest size mill that we make has a capacity of 200 tons crude ore per 24 hours. We lose about 3 to 4 per cent of iron in tailings. We take contracts to separate, erecting the mill with our own capital, or erect mill at cost, and charge royalty.

Yours truly,

Private Secretary.

July 28, 1899.

Mr. D. Bronner, Jr.,

East Forty-seventh Street,

Bayonne, N. J.

Dear Sir:-

Mr. Edison says in reply to your letter of 23rd instant, to go ahead with the plans.

Yours truly,

Private Secretary.

July 29, 1889.

Mr. John Birkinbine,

Philadelphia, Pa.

Dear Sir:-

With reference to yours of 23rd instant, enclosing copy of Mr. Dewey's letter under date 6th instant, Mr. Edison says that we have a wet magnetic concentrator which will work the Oregon sea sand.

Yours truly,

A. Tate

Private Secretary.

July 26, 1889.

Col. George Edward Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I return herewith power of attorney for use in applying for patents in India, which I have signed before a Notary Public, the latter's signature duly certified to by the County Clerk and British Consul, the same having been enclosed with your letter of 6th instant.

Yours truly,

Thomas A. Edison

July 26, 1890.

H. L. Hoyl, Esq.,

Actuary, Franklin Institute,

Philadelphia, Pa.

Dear Sir:-

I am informed by Mr. Green B. Raum, Jr., of your City, that I have been awarded by the City Trust of Philadelphia, the Scott Legacy Medal, for the Mimeograph.

I am very pleased to receive this information, and when the Medal is ready for delivery I shall be much obliged if you will kindly hand it to Mr. Green B. Raum, Jr., who is authorized to receive it on my behalf.

Yours respectfully,

Thos. A. Edison

July 20, 59.

Green B. Raum, Jr. Esq.,

706 Walnut Street,

Philadelphia, Pa.

Dear Sir:-

I have much pleasure in enclosing herewith the authority asked for in regard to the Scott Tracy Medal awarded Mr. Edison for the Mimeograph.

Yours truly,

Private Secretary.

July 27, 88.

Prof. Wm. J. Marks,

~~Engineer-in-Chief~~, The Edison Gen'l. Electric Co.,

#44 Wall St., New York.

Dear Sir:-

Mr. Edison says in reply to your letter of 25th inst., in regard to storage battery, that he would like to see a rough estimate about storage battery. He has never yet been able to learn of a 1,000 horse power of storage that can be bought as cheap as 1,000 h. p. of boiler, engine and dynamo.

Yours truly,

Private Secretary.

July 27, 89.

The Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

Mr. Edison says in reply to your letter of 25th instant, replying to ours of 24th inst., that the defect with you refer to should be remedied at once, in view of the fact that we are going for Sawyer-Mann renewals at Paterson.

Yours very truly,

Private Secretary.

July 27, 1889.

Messrs. G. Westermann & Co.,

838 Broadway, New York.

Dear Sirs:-

Will you kindly send me copies of recent Canadian Geological reports. I should also like to obtain, if possible, a copy of Sir. Wm. Logan's report on the Geology of Canada, 1863, with maps &c.

Yours truly,

July 29th 1889

Thos. Butler Esq
19 Dey Street
New York

Dear Sir:-

Referring to your favor of the 26th inst I beg to return you herewith the document between The Edison United Mfg and Joseph Buehler, Charles E. Batchman signed by Mr Edison as President, and sworn to before a Notary Public.

On account of Mr Edison's absence from Orange I was unable to have it executed any sooner and trust it has not caused you any delay

Yours truly
John P. Randolph.

July 29, 1890.

Messrs. Drexel, Morgan & Co.,

New York City.

Dear Sirs:-

Please authorize Messrs. J. S. Morgan & Co., London, by cable, to pay Mr. A. O. Tate, Hotel Metropole, London, Two Hundred Pounds, sterling, you charging exchange for same to my account.

Yours very truly,

Thos. A. Edison

July 27, 89.

George P. Scott, Esq.,

Gold & Stock Telegraph Co.,

195 Broadway, New York.

Dear Sir:-

I desire to obtain a few copies of the Instruction Book relating to the Gold and Stock Printer. Will you very kindly send me half a dozen copies of same, as early as possible, and oblige

Yours truly,

Thos. A. Edison

A.

July 29, 89.

The Edison Lamp Co.,

W. H. Meadowcroft, Esq.,

Harrison, N. J.

Dear Sir:-

With reference to your letter of 26th instant, asking us to send you two each lamp bases and sockets of the Sawyer-Man, Westinghouse, United States and other competing Companies, I beg to advise you that Mr. Dashler will send you to-morrow morning, by special messenger, two lamp bases each of Sawyer-Man, Westinghouse, Mather, Weston, Maxim & Backstrom. We will include in this parcel the only two lamp sockets which we have; they are of the Mather type. Should you desire bases of European lamps, we can accommodate you with a few types.

Yours very truly,

A. Tate

Private Secretary.

A.

July 30, 1884.

My Dear Tesla,-

Your favors of July 16th and 18th came to hand yesterday, both together. I think the long delay in their arrival is largely owing to the fact that you do not put on the envelope the name of the steamer by which you send the letters forwarded, and under these circumstances they lie over in the General Post-office to the end of the week.

SELIGMAN NEGOTIATIONS. I do not know that there is much to say from this end of the line. All I can do is to reiterate what I said in my last letter with reference to the Seligmans-- that we have no understanding with these people here whatever; that we have absolutely refused to have any negotiations whatever, and that when young Moriarty and young Seligman say that I mentioned six hundred thousand dollars as a price for the whole foreign phonograph interest, they simply lie. Young Seligman knows that they lie, and if they make that assertion on the authority of the people here, the people here lie. I taxed Mr. Jesse Seligman with this some time ago, and he disclaimed altogether that I had made any such statement. He admitted that

A. O. E.

I refused to name a price even for Mr. Edison's interest; that the sum of $750,000 and the manufacturing was made absolutely on my own authority, and that I especially disclaimed having consulted Mr. Edison in naming that price. In fact, Mr. Jessie Seligman admits the interview between him and myself, at which you were present, in precisely the same way as you and myself understand it. It rather amuses me to read your letters. They are simply a confirmation of what I have been preaching to Mr. Edison for the last eight years. I have always insisted that Mr. Gouraud would never be able to float anything successfully after his telephone scrapes, and I want no better justification of my opposition to Mr. Gouraud getting his present contract with relation to the phonograph than the cable correspondence we have received from you and the two letters above referred to. We have a letter from Gouraud, of which I enclose you herewith a copy. We are not going to enter into communication direct with Mr. Gouraud. You must fix this matter with him yourself, and if you see Mr. Moriarty again with Mr. Gouraud, I would, if I were you, tell Mr. Moriarty that the statement which he makes is false, and that you make that statement on my authority, you having been present at the interview with Jessie Seligman, and that you know from letters received from me, that Mr. Jessie Seligman has especially disclaimed, within the last few weeks, that when he was talking with me he obtained a figure on the whole foreign phonograph including Mr. Gouraud's interest.

ORDER FOR PHONOGRAPHS. I was very sorry to receive your telegram stating that you had accepted an order from Gourand for fifty (50) instruments. We have Mr. Gourand's order for a thousand (1,000) instruments, and we are working on these thousand instruments, and in calling on Mr. Gourand to pay cash in New York for the instruments we are only doing what the contract gives us a right to do. The result of his refusal to pay for the instruments might possibly have engged in our being able to declare his contract void, but I am half afraid that we are somewhat compromised by your having accepted the order for fifty instruments, and by accepting that order have given a constructive consent to the cancellation of the order for a thousand instruments.

At the time of dictating this letter I have not got a final cable from you as to what you have arranged concerning this matter. All I have is your telegram, stating that delay is not yours. I do not even know whether you have returned Gourand his order for fifty instruments.

Mr. Edison is of course very much disgusted with the state of affairs as shown by your cables and your two letters. I think the thing that has affected him the most has been the refusal of Gourand to pus up money for phonographs. I believe that the whole matter will so influence him that in the future he will deal very differently with his foreign business.

TOY PHONOGRAPH. Mr. Stevens sails on the 7th of August.

Nothing definite has been done yet with relation to putting toys on the market. I have found a very good man as Gen'l. Manager of the Company, and he is in Boston to-day negotiating with Stevens and his colleagues. If we come to some arrangement with them, the business will be at once pushed. I have not got the time to attend to it myself, but as soon as they have a good General Manager, I will take an active part in directing his efforts. We have got the plant at Orange ready for turning out the doll movements and can go to work on large quantities with little or no delay. I think that this business is in far better shape than it has ever been before, and I shall be disappointed if the Christmas season does not find us playing large numbers of these toys throughout the country.

Laboratory. There is nothing particularly new to report in connection with the Laboratory. There has been no correspondence of any moment referring to any business of importance. Everything goes on in a dull kind of a way, Mr. Edison giving little or no attention to experimental work. The order of the day now is "I will take that in hand when I return from Europe." Batchelor has been away most of the time since you left here.

P. A. R.

-2-

PHONOGRAPH WORKS. This concern to my mind is in a bad [illegible]. They have been boosting ahead piling up instruments, and now they are scared because they have a large number of instruments on hand. It could not be expected that the North American Phonograph Co. would be able to take off their hands every phonograph that they could turn out. The Phonograph Works should have been run along quietly, simply increasing the capacity of the shop as the demand for machines increased. I have not got full control of the business yet, and as I have more than I can possibly attend to in other directions, I do not propose to waste time and effort in the Phonograph Works until such time as my instructions will be followed absolutely - or, in other words, to such time as I have authority to give instructions. Mr. Edison says that he proposes to fix this before he sails. I am entirely indifferent as to whether he does or not, as the whole of my time, from the moment I get out of bed in the morning to I go to bed at night, is fully occupied, and to take up the Phonograph Works simply means further effort with possible misunderstandings. I do not see how the attending to this business can in any way add to my reputation as a manufacturer; whereas it is quite possible that my present limited circle of friends might be further limited owing to misunderstandings that might possibly arise with Mr. Batchelor. However, of course, if Mr. Edison fixes matters so that I can work with some authority, I will do all I can to get

A. G. T.

the concern in proper shape. The idea to-day seems to be that you can run ahead on a large number of machines, and when you have got too many, lay off your men and still maintain a good organization. My experience in this connection is somewhat extensive, and I know that every time they shut down, it costs several thousand dollars to get under way again.

GENERAL EDISON CO. Everything is going just as I thought it would. Mr. Coster heartily co-operates with me, and in consequence, Mr. Edison's views are in every respect paramount. The Executive Committee has been formed, and I am, of course, a member of it. Mr. Edison could not wish for any better state of affairs than now exists in the Gen'l. Edison Company. I had Mr. Villard and Mr. Edison at Schenectady on Saturday last, and have started enlarging the Works there, and before I get right through I am sure a quarter of a million dollars will be spent. General Edison Co. stock is a good purchase, as it will pay a dividend of eight per cent this year, and only stands at 80 to-day.

Ore Milling. The plant at Smithtillville is a remarkable success. There is no doubt but that we are going to make a great deal of money in concentrating iron ores. Mr. Vor and Edison are practically intoxicated by the business. According to present prospects and discounting what they have to say are

estimating that the cost of production will be [illegible] [illegible] [illegible] very really delicate. I am sure we have got an extraordinary [illegible] thing. We have increased the capital to $100,000.

You cannot expect to get many letters from me. It is for that reason I cable very fully, but I will try and get a letter off to you once a fortnight.

Porjes. You will have received our cablegram declining Mr. Porjes' invitation, and will have mollified that gentleman of same. He simply wants to make social capital out of entertaining Mr. Edison. Mr. Edison occupies too high a position, to my mind, to allow of his accepting any such hospitality as Mr. Porjes offers. The proper place for Mr. Edison to go to is a Hotel, where he will pay all his own bills. However, of course you will have made necessary explanation to Porjes, saying that Mr. Edison will only stay in Paris a short time &c., &c., and Porjes will be disappointed, but of course satisfied.

I have sent you to-day that cable transfer of two hundred pounds. I am afraid you are too close to Leicester Square and "Petite Paris." I hope that your lounging place is not the Alhambra and the Pavilion. My boy I advise you to go it slowly

as you may have to carry it up in wadding.

With kind regards, I remain

Very sincerely yours,

Samuel Insull.

Note.

Mr. Insull has gone away without signing this letter, and as it must be mailed to-night in order to catch to-morrow's mail steamer, I have deemed it advisable to attach his signature and send it off.

Maguire.

July 30, 82.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

The winding of the three foot Ore Milling magnet for Bechtelsville, should be 600 lbs. #11 BWG wire, in one continuous length.

Yours truly,

Edison Laboratory.

H.

July 30, 1889.

My Dear Sir John,-

Your favor of July 19th came duly to hand.

I regret extremely that it will be quite impossible for me to visit England during my trip abroad. There is so much that I must see in Paris and other parts of the Continent, and the time at my disposal will be so limited, that however much I would like to accept your kind and flattering invitation to visit you at Foots Cray, I shall be compelled regretfully to decline. I shall be in Paris from the 10th or 15th of August to the end of the month, and if you can find it convenient to visit the Exposition at that time, it will afford me very great pleasure to see you there and again renew our very pleasant acquaintance.

With kind regards, believe me

Yours very sincerely,

Sir John Pender,
Winchester House, 30 Old Broad St.,
London, England.

July 30, 1889.

My Dear Sir John,-

I have duly received your letter of 9th inst., and yesterday a copy of your last book came to hand.

I need hardly assure you that I shall be delighted to do whatever I can to make it pleasant for you when you visit this country. I leave within the next few days for Paris, and shall be on the Continent for a month or six weeks. If you are visiting the Exposition during the time I am there, I shall be delighted to see you. I will have so very little time at my disposal that it will be quite impossible for me to extend my trip to England.

Yours very truly,

Sir John Lubbock, Bart., M. P.,
#39 Berkeley Sq., London, W., England.

July 30, 1889.

Mrs. Edison,-

Major Eaton is going to procure for yourself and Mr. Edison United States Passports, for use abroad. In obtaining these from the State Department it is necessary to furnish a complete description of the persons for whom they are intended.

I enclose herewith a Passport which was issued to Major Eaton in 1887, on the left hand side of which you will find enumerated the particulars as to appearance &c. which must be endorsed on all Passports.

Major Eaton asked me to obtain for him the necessary information regarding Mr. Edison and yourself and to mail it to him to-day. It is now too late, however, to do this to-night, and if you will kindly send me the necessary particulars the first thing to-morrow morning, I will send a special messenger with the desired information to New York.

Yours respectfully,

July 31, 1889.

Major R. B. Eaton,

120 Broadway, New York.

Dear Sir:-

I enclose herewith Descriptions of Mr. and Mrs. Edison, pursuant to your request of yesterday. I was unable to obtain the necessary data early enough to permit of my mailing it last night, so I send a special messenger with it to you today.

I return herewith your U. S. Passport.

Yours truly,

Mr. Edison.

Age	42 years
Stature	5 ft. 9 inches
Forehead	High
Eyes	Blue
Nose	Full, large.
Mouth	Medium.
Chin	Square
Hair	Iron gray
Complexion	Light
Face	Large.

Mrs. Edison.

Age	24
Stature	5 ft. 4 1/2 inches
Forehead	Low
Eyes	Dark
Nose	Roman
Mouth	Large
Chin	Square
Hair	Dark
Complexion	Dark
Face	Small.

Aug. 1, 189[illegible]

Mr. W. S. Wills,

c/o American Waltham Watch Co.,

W a l t h a m , Mass.

Dear Sir:-

I was extremely sorry not to have been able to see you during your visit here. I understand, however, that Mr. Edison and you spent considerable time together, and no doubt to mutual advantage.

Mr. Edison has instructed me to send you from the Phonograph Works, a complete phonograph for your own personal use.

The rights for the phonograph in Massachusetts of course are out of the hands of Mr. Edison, but I have this morning arranged it with Mr. Lippincott, President of the North American Phonograph Co., so that you will be allowed to use it. I shall, therefore, take pleasure in forwarding you the instrument in a few days, together with a number of musical cylinders, and also cylinders that you can experiment with &c., &c.

The next time that you are down this way, I hope I shall know when you are coming, so that I can have the pleasure of

W. S. W.

meeting you.

Very truly yours,

Aug. 1, 1889.

Mr. John Kruesi, Ass't. Gen'l. Manager,
The Edison Machine Works,
Schenectady, N. Y.

Dear Sir:-

Some time ago we wrote to the Edison Machine Works, to furnish us with a large lot of wire for some Ore Milling magnets that we now have in hand here. Will you be kind enough to have this order looked up, and let me know why it has not been shipped, as the job is very pressing.

We sent you some time ago all the drawings of Multipolar dynamo. Have you found any missing? Let us know and we will hunt them up. I think, however, we sent them all.

Yours truly,

July 24, 89.

Mr. English,-

Please have one (1) motor phonograph, complete, with battery, and a small assortment of musical cylinders and a few blank cylinders, sent to Mr. W. S. Wills, c/o The American Waltham Watch Co., Waltham, Mass., with the compliments of Mr. Edison.

This machine must not be charged to the North American Phonograph Co., but the expense of it must be borne by the Phono. Works.

Please let me know when you are selecting the cylinders, so I shall know what has been sent to him.

Yours truly,

Wm Kitchelt

475

Aug 2nd 1889

Thos. Butler Esq
19 Dey Street
New York

Dear Sir:

I beg to acknowledge receipt of your favor of the 31st ult enclosing particulars in regard to five notes drawn by the Edison Phonograph Works.

Thanking you for your kindness I remain

Very truly
John F. Randolph.

Aug 2nd 1889

Geo. P. Kingsley Esq
Orange N. J.

Dear Sir:

I beg to acknowledge receipt of your favor enclosing the information asked for by Mr Tate, also the following deeds:

Henry W. Culberson and Wife to T. A. Edison
The Mutual Life Ins Coy N. Y. . . . .
Michael Daly . . . .
Ellen Mullane & Wm Mullane . . . .

Thanking you for your kindness I remain

Very truly
John F. Randolph.

August 2, 89.

A. B. Dick Company,

152 - 154 Lake St., Chicago, Ills.

Dear Sirs:-

I enclose herewith check of the Franklin Institute for Twenty Dollars ($20) to the order of Mr. Edison, and endorsed by the latter payable to yourselves. This check accompanied the John Scott Medal which was recently awarded Mr. Edison for the Mimeograph by the City Trust of Philadelphia, and properly belongs to yourselves. Mr. Edison authorized Mr. Green B. Raum, Jr., your agent in Philadelphia, to receive the medal on his behalf, and I understand it is now in Mr. Raum's possession. This should prove a good advertisement for the Mimeograph.

Yours truly,

A. Tate

Private Secretary.

Aug. 2, 89.

Mr. Isaac W. Waters,

38 & 40 Walnut St., Newark,

N. J.

Dear Sir:-

With reference to your letter of 26th ult., addressed to Mr. Edison, the fact of there being an increased percentage of copper would not interfere with the Edison process for extracting gold. We can save only the gold.

Yours truly,

Private Secretary.

August 2, 1880.

John C. Schenck, Esq.,

#152 Barbey St., Brooklyn, N. Y.

Dear Sir:-

Mr. Edison has received your letter of 23d ultimo, and in reply desires me to say that the Edison Electric Light Company has several electric lighting stations in New York City. The Pearl St. Station, down town, has been in operation for the past seven years, paying regular dividends &c., and the Edison Brooklyn Station is very much superior. Mr. Edison believes that no better or safer investment can be found in the country than that to which you refer in your letter. The Edison Electric Illuminating Co. of Brooklyn is managed by solid men and not by speculators. If you will apply to the Edison Gen'l. Electric Co., 65 Wall St., New York, they will doubtless furnish you with full information and grant you every facility for inspecting the working of the Edison system of electric lighting.

Yours truly,

Private Sec'y.

August 2, 80.

Messrs. Hurm & Co.,

361 Broadway, New York.

Dear Sirs:-

With reference to the attached, Mr. Edison says that the Edison current is a continuous one. A transformer could be used to heat a wire when connected to an alternating or pulsating current system.

Yours truly,

A. O. Tate

Private Secretary.

August 3, 1900

Mr. J. Glann,

425 Broadway, New York City.

Dear Sir:-

With reference to your letter of 30th ultimo, Mr. Edison says that when he returns from abroad he will certainly give your son a place in the Laboratory. He says further that he would advise you to send your son to the Paris Exposition, where all the industrial arts can be seen in operation; it will broaden him.

Yours truly,

A.O. Tate

Private Secretary.

August 2, 89.

Richard T. Haines, Esq.,

The New York Phonograph Co.,

257 Fifth Ave., New York City.

Dear Sir:-

With reference to your letter of 23th ultimo, relative to obtaining a phonograph for Monsieur Angelo Mariani, of Paris, Mr. Edison has asked me to write our Mr. Wangemann, who is at present in Paris securing phonograms of celebrated musicians &c., instructing him to place a phonograph at Monsieur Mariani's disposal, and to exhibit the instrument at his house in Paris any two evenings he desires. Therefore, if M. Mariani will call on our Mr. Wangemann, who he will find at the Paris Exposition, and communicate to him his desire for an exhibition of the phonograph at his residence, Mr. Wangemann will be pleased to arrange for such an exhibition and will also personally superintend the same and do all he can to make it a success.

Trusting that this will be satisfactory to yourself and Monsieur Mariani

I am, yours truly, [illegible] Private Sec'y.

Aug 3rd 1889

L. P. Hall Esq
113 William Street
Orange N. J.

Dear Sir:-

On Mr Batchelors arrival at the Laboratory I spoke to him in regard to allowing the inspectors to visit the Laboratory and he informed me that Mr Edison left strict orders to allow no one to visit the place while he is away and he prefers to have you wait until Mr Edison returns and he is quite sure that he would then be glad to have you visit the place. He will return in about six weeks

Yours truly
John W. Ward Jr

August 8, 1880.

Mr. J. Hutchinson, Sec'y.,

New Jersey & Penna. Concentrating Works,

#19 Day St., New York City.

Dear Sir:-

I beg to acknowledge receipt of Certificate No. 1, in the name of Thomas A. Edison, for one hundred (100) shares of the Capital Stock of the New Jersey and Pennsylvania Concentrating Works.

Yours truly,

Private Sec'y.

Aug. 3, 1880.

Mr. J. Morton,

Newark, N. J.

Dear Sir:-

Your letter of July 31st to Mr. Edison has been handed to me just previous to his departure for Europe to-day. If you will kindly let me know just where the property is that you mention, and the amount of it, so that I can locate it on a map, I shall be glad to communicate with you in regard to it.

Yours truly,

Letterbook, LB-032

This letterbook covers the period August-October 1889. Most of the correspondence is by Charles Batchelor, Thomas Maguire, John F. Randolph, and Alfred O. Tate. A few of the letters are by Edison. Many of the letters relate to the manufacture and marketing of the phonograph and talking doll and to music recordings made at the West Orange laboratory. Other letters pertain to mining and ore milling and to Edison's phonoplex system. Some of the correspondence deals with the acquisition of property at Silver Lake, N. J. for the Edison Manufacturing Co. There are also letters to the firm of Dyer & Seely regarding patents on dynamos and other inventions. The book contains 500 numbered pages and an index. Approximately 20 percent of the book has been filmed.

August 5, 89.

H. Ward Leonard, Esq., Gen'l. Manager,

United Edison Manufacturing Co.,

New York City.

Dear Sir:-

Mr. Edison is much obliged for yours of 29th ultimo, enclosing communication from Mr. Frank Mullany, your agent in Columbia, S. C., relative to Ore Milling process. We have written Mr. Mullany direct.

Mr. Edison is not quite ready yet to furnish complete information in regard to his Ore Milling process. He has recently erected at Bechtelsville, Pa., a mill for the working of ores, and just as soon as this mill is in full operation, we shall be able to furnish exact data as to cost &c., &c.

Yours very truly,

A. O. Tate

Private Secretary.

August 8, 1889.

Dear Mr. Wangemann,-

Your letter of 14th July was duly received and perused by Mr. Edison. The latter sailed August 3rd on the S. S. "La Bourgogne," for Havre, and you will probably have seen him ere this communication reaches you.

We have a letter from Mr. Richard W. Haines, of the New York Phonograph Co., in regard to Monsieur Angelo Mariani, a distinguished resident of Paris, who it seems is very anxious to obtain a phonograph. Prior to his departure, Mr. Edison asked me to write Haines to the effect that if Monsieur Mariani would call upon you (Wangemann) at the Paris Exposition, you would arrange for two exhibitions of the phonograph at his residence in Paris, personally superintending the same, and doing what you could to make them a success, and to instruct you accordingly. I have already written Haines, and he no doubt will communicate with Monsieur Angelo Mariani. Therefore, if the latter calls upon you, it is Mr. Edison's desire that you place a phonograph at his

A. Thos. W. 2

disposal for any two evenings he desires, and make an exhibition of the phonograph at his house. It appears that Monsieur Mariani entertains in his Hotel or House, at Paris, from one hundred to two hundred of the most distinguished men of letters and science each Saturday evening, and the phonograph could doubtless be exhibited there to much advantage.

Business at the Laboratory is running along very quietly. Walter Miller has returned from the West, and at present he is working with Mr. Hagen, manipulating the musical cylinders. They succeed in getting about 100 musical phonograms daily. Just at present, however, their united efforts are being directed towards the discovery of a "bug" that has materialized within the last few days. As I understand it, the speed of the motor is not uniform; hence the pitch of the musical phonograms is not sustained, the effect being anything but desirable.

I enclose herewith shipping receipts for material shipped you on our order by the Phonograph Works.

Trusting that you are having a good time in Paris and with every good wish

I remain, yours very truly,

A. Theo. W. -3-

P. S.

Mr. Hagan had just informed me that the "bug" referred to in the foregoing has been discovered. It was due to the governor, and the phonographs are now all running O. K.

A. Theo. M. Wangemann, Esq.,

P a r i s , France.

Aug. 5, 80.

Mr. Frank A. Hillary,

The Edison United M'f'g. Co.,

C o l u m b i a , S. C.

Dear Sir:-

Your letter of 31st ultimo, in regard to Mr. Edison's Ore Milling process, addressed to the United Edison M'f'g. Co., has been referred to us for reply.

Mr. Edison has recently erected at Washaleville, Pa., a mill for the working of ores, and just as soon as this mill is in full operation, we will be able to furnish you with exact data as to cost &c., &c.

Mr. Edison sailed for Europe on Saturday last, and will be absent two or three months. On his return from abroad your communication shall be placed before him, and he will write you further regarding same.

Yours very truly,

Private Secretary.

August 7, 80.

Mr. H. Giesmann,

34 University Place,

New York City.

Dear Sir:-

Will you please come out to the Laboratory on Friday morning next, and bring a good cornet player with you. If you are unable to come to Orange Friday, please notify us immediately upon receipt of this, so we can make other arrangements.

Yours truly,

Edison Laboratory.

M.

August 7, 80.

Will Loomis, Esq.,

c/o Tower M'f'g. Co., 308 Broadway,

New York.

My Dear Sir:-

If it would not cause you too much inconvenience, we would be very pleased to have you visit the Laboratory some day next week, and play a few solos to the phonograph. Any day will answer, only please notify us a day or two in advance, so as to avoid conflict with any previous arrangement. If you can possibly do this we shall be much gratified.

Mr. Walter Miller and Mr. Hagar have charge of the musical experiments in connection with the phonograph at present being conducted at the Laboratory, and they will do what they can to make your visit pleasant.

Yours very truly,

Edison Laboratory.

By

Private Sec'y.

Aug 8th 1889

J. H. McClement Esq
44 Wall Street
New York.

Dear Sir.

Mrs Bradshaw called at this Laboratory today and presented your card with a note on same addressed to Mr Tate asking him to allow her to go through the Laboratory.

I am very sorry but I had to refuse her having the pleasure of going through the place but showed her the Phonograph in the Library.

My reason for doing this is that when Mr Edison left here for Europe he left instructions that the place should be closed to visitors while he was away, and Mr Batchelor not being here at the time she called I had no one to ask and so was compelled to do what I did.

In future please get an order from either Mr Sewell or Mr Batchelor if you send anyone out to go through the Laboratory as both Mr Edison and Mr Tate are in Europe, and it will save me any trouble and greatly oblige

Yours truly
John B. Randolph.

Aug. 8, 80.

Mr. A. Bowers,

76 Laundry Pl., Newark,

N. J.

Dear Sir:-

Will you please inform us as to price of tank 17 X 8 ft. high, set up on top of laboratory on flat platform that we will make? Kindly let us hear from you as soon as possible.

Yours truly,

Chas. Batchelor.

N.

Aug. 8, 89.

Mr. Jno. H. Wood,

87 Liberty St., New York.

Dear Sir:-

Have you got the maps of proposed sprinklers for Laboratory?

Yours truly,

Chas. Batchelor.

M.

Aug. 8, 80.

Mr. J. Monies,

Newark, N. J.

Dear Sir:-

Will you please meet me one day early next week on the ground, and we will discuss the matter of your property - say Monday or Tuesday about midday. Please write me on receipt of this, and make an appointment.

Yours truly,

H. A. Batchelor.

H.

August 7, 1889.

Reginald Gray, Esq.,

560 Devonshire Street,

Boston, Mass.

Dear Sir:-

With reference to your letter of 29th ultimo, in the absence of Messrs. Edison and Tate in Europe, the business of the Edison Phonograph Company is being attended to by Mr. Samuel Insull who is at present in the West. He will be back in about a week or ten days, when he will doubtless reply to your communication.

Yours truly,

[signature]

August 9, 1880

Hyatt Filter Co.,

Newark, N. J.

Dear Sirs:-

The filter that you have loaned us here is working quite satisfactorily. Please quote us best price for same, and also give us the price and size of the smallest filter that you make.

Yours truly,

Edison Laboratory

By Max Batchelor

Aug. 8, 89.

My Dear Kreuzi,-

Mr. Ingall promised when here that we should have a draughtsman from The Edison Machine Works to do some work that we are now getting up on motors &c., &c. If you will send us such a man at as early a date as possible I should feel much obliged.

I have your note in regard to blue prints, but as I have not been home for the last two or three days I presume that they are there waiting for me. I shall get them to-night.

Yours very truly,

Chas. Cleveland

Mr. Jno. Kreuzi,

The Edison Machine Works,

Schenectady, N. Y.

August 8, 1889.

Edison Phonograph Toy M'f'g. Co.,
95 Milk St., Boston,
Mass.

Dear Sirs:-

In accordance with your letter dated July 30th to Mr. Edison, we have sent you by express a complete doll with phonograph inside of it. We would call your attention to the fact that when these dolls are made they should be sewn in such a manner that they can be taken apart, to put the phonograph inside. Also, the head should be made with a hole in the top to let out the sound. As this hole will be covered with hair it will not look unsightly.

We are now commencing to train small voices to talk on to the cylinders for these phonograph toys, and should be glad to have from you a list of all the little verses that you would be likely to want put on them. It matters a great deal just how the thing is said in the phonograph. Therefore we should like to have them before hand to get our small voices well practised in the art. Very respectfully yours,

EDISON LABORATORY.
per Chas. Batchelor

August 9, 89.

My Dear Edison,-

I have just been trying the 200 thread screw machine, and find it works perfectly. The recording and reproducing points, of course, half size. It will probably want a little heavier weight on the nut arm than the old one, but we can easily fix that. I have taken one of our ordinary cylinders and with reading very leisurely have put on 1500 words, running at 110 revolutions. It can, of course, run much slower than this. I find the articulation is equally as good as anything we ever had, and I believe there is less scratching noise. Shall immediately make some master taps for this and put a few in hand.

I enclose circular of testimonials from Louisville.

Yours truly,

Batchelor.

M.

Thomas A. Edison, Esq.,
Paris, France.

August 10, 88.

Mr. Henry Gienemann,

34 University Pl.,

New York City.

Dear Sir:-

With reference to your note of yesterday addressed to Mr. Miller, please come to the laboratory Tuesday, and bring either a clarionet or cornet player with you, the former if possible. I enclose herewith railroad ticket.

Yours truly,

Edison Laboratory.

By

Private Secretary.

Aug 12th 1889

Thos. Butler Esq
1111 Broadway
New York

Dear Sir:-

Referring to your favor of the 10th inst I beg to enclose you herewith the following Statements.

$151,000.00/100 which has been discounted by Mr Chapman and payable at the Orange National Bank;

$75000.00/100 which has been discounted by Mr Chapman and payable at the Third National Bank of New York.

$11,000.00/100 payable at Orange National Bank which is held by Mr Edison and is in our Safe.

The Bank Balances of the Edison Phonograph Works this morning are

German National Bank	$12,596.73
Orange "	9781.64
Total	$22,378.37

You will notice from the enclosed Statements that there is due on Saturday next at the Orange National Bank $20000.= and on Monday at the same Bank $30,000.00/100

Mr Insull has given me permission to be absent from the Laboratory on Wednesday and if there is anything you wish done by me on that day please let me know so I can do it on Tuesday and greatly oblige.

Yours truly
John F. Randolph.

Aug. 11 1880

Messrs. Iyes and Seely

Please furnish us a full set of patents as follows:-

— Dynamos & motors —

— Electric Blades —

— Transformers —

Very truly Yours
T. A. Edison
per A.K.

August 14, 89.

Be W. Hiles Company,

17 Adams Street,

Brooklyn, N. Y.

Dear Sirs:-

We are sending you to-day per U. S. Express, the model sent as it will go into the doll. In the upper case we will use the punches as they are at present. In the lower case, as there are no punches made for it, you will kindly make same, and have them long enough to allow of double seaming; also tools for same.

Yours truly,

Edison Laboratory.

N.

August 14, 1914

Prof. Fred Voss,

33 Sterling Street,

Newark, N. J.

Dear Sir:-

With reference to your letter of 13th inst., addressed to Mr. Miller, we have already arranged with musicians for this week and next week. We will let you know in the course of a week or so when we would like to have your Band come to the Laboratory and play for us.

In the meantime we would like, however, to secure your Xylophone Soloist for a few days next week. Please inform us by return mail if it will be convenient for the gentleman who plays this instrument to come to the Laboratory any two days next week, and if so, what days will suit him.

Yours truly,

Edison Laboratory.

M.

August 15, 89.

Edison Lamp Company,

Harrison, N. J.

Dear Sirs:-

With reference to our telephone conversation of this afternoon, we to-day received a cablegram from Mr. Harner, Paris, in which the following sentence occurs:-

"Have colored lamps been shipped?Important."

In reply, we cabled Harner, in accordance with your instructions, to the effect that all colored lamps, excepting ruby, would go forward early next week.

You will, therefore, kindly see that these lamps leave the factory in time to catch the first steamer sailing next week.

Yours truly,

Edison Laboratory

By

August 15, 89.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

E D I S O N. Aug. 13, 1889.

"Have colored lamps been shipped? Important. Are any phonographs and zincs on way? Answer

Hammer."

NEWARK, PARIS. Aug. 15, 1889.

"Colored lamps , except ruby, go forward early next week. All your phono. orders completed. Nothing on way. EDISON."

Yours truly,

T h o m a s A. E d i s o n.

M.

August 20, 89.

Mr. W. W. Taylor, Div. o'p'r.,

Pennsylvania Railroad Company,

A l t o o n a , P A.

Dear Sir:-

Please accept my thanks for your letter of 14th instant, in regard to new battery.

Our Mr. Logue will visit Altoona in a few days, and with your permission, will again set up the battery, for another trial, making a few changes which we think will overcome the difficulty you mention. I will send you in a day or so, by Adams Express, two boxes of battery material which please receive and pay express charges on same, which Mr. Logue will refund to you when he reaches Altoona.

Yours truly,

Electrician.

August 20, 1880

E d i s o n ,

Care Drexel, Morgan,

Paris, France.

Drexel Blanks shipped Saturday. Clarionet piano go forward Saturday.

Stockton.

August 20, 20.

Eckhardt Milling Machine Co.

[illegible] St., B e r l i n,

[illegible]

Dear Sirs:-

Some two years ago we sought from you a lar[illegible] your catalog. At the time this was sought, the machine we wanted was more of a different milling machine than a special [illegible] motor, and consequently we [illegible] very little use for it. [illegible] looking over your catalog [illegible] this one of your latest [illegible] No. 1 Universal Milling Machine, we think it very much more suitable for our work than this, and would like to know if we could not make a good advantage in exchange for your motor for one of these. We do not believe it not to our [illegible] to the market, but from [illegible] we cannot [illegible] to do it on this machine. Whereas the Universal H [illegible] machine could be worked all the time. There also is no [illegible] unutilized, and very [illegible] [illegible] time.

Yours truly,

M a r l i n e r & P a r t o w.

[illegible] Builder.

M.

August 20, 89.

Mr. John Morris,

Newark, N. J.

Dear Sir:-

Your letter of 17th instant received. I have sent the map of your property to the Factory at Silverlake, where you can get it. If I had known where you lived I could have sent it to your house. I am sorry to say that I cannot take the property you offer. The price is very much higher than property that I have bought near there that I want to use for the same purpose. I do not like the fact that a majority of the best lots have been sold, and that all that you offer, even at that high price, are back lots which would have to be opened by streets. I expect to realize something on the property if I lay out my money for it, and I could not expect to get much from that at the price that I intend good workmen shall pay lots in that vicinity.

Yours truly,

Adam Batchelor.

P.

August 21, 89.

Messrs. Dyer & Seely,

New York City.

Dear Sirs:-

Your letter of 20th instant, relative to patents on dynamos, motors &c., addressed to Mr. Edison, is duly at hand.

Please obtain as soon as possible and forward to the Laboratory, the following

36.	Motors	337	Patents
9	Car-brakes	74	"
75.	Locomotion	403	"

I enclose herewith check to your order for $81,40 covering cost of same. Also estimate as requested.

Yours truly,

Charles Batchelor.

H.

August 21, 89.

Mr. George E. Dodd,

619 & 621 Broad St., Newark, N. J.

Dear Sir:-

With reference to your letter of 21st ultimo, addressed to Mr. Edison, in regard to some property which you have for sale near Forest Hill Station, the map which you mention in your letter has not been received at the Laboratory. We would have examined this property, but not having a map were unable to locate it. If you have a map of the same, we would like to see it.

Yours truly,

Edison Laboratory.

E. Ulo Sutcliffe

Aug 22nd 1889.

Messrs John F. Quincy and Co.
98 William Street
New York

Dear Sirs—

Ever the time the Edison Mfg Company started it was under the management of the Edison Phonograph Works and since then it has been taken in charge of Mr Edison and when I mailed you a check for $958.73/100 I was told that the Edison Phonograph Works had you bill for $637.88 on their books and said they would pay same and when your draft came in I went down and saw them about it and was very much surprised to have them tell me that they had made a mistake and did not have your bill on their books and I was unable to get any trace of it and besides if I had the bill I would have been unable to pay same as Mr Insull who has power to sign check was away unexpectedly and I could not have reached him and of course I had to return the draft.

Please send me by bearer a duplicate of your bill dated May 13 1889 for $637.88 and I will see that it is paid immediately

Yours truly
John B. Randolph Bookkeeper

Aug. 22, 1889

Harkness Fire Extinguisher Co.,

New York, N. Y.

Gentlemen:

Your estimate for work and materials for about 575 Automatic Sprinklers of September 8th. 1888, is hereby accepted, in so far as it relates to the work specified on sheets 1 and 2, together with the addition specified on attached sheet dated August 22nd. 1889., and which comprises tanks and pumps complete, set up and charged for supplying the four small buildings with the non-freezing compound.

It is understood that you make and place in position, sufficient steam pipe to keep the main supply tank from freezing during the winter.

It is also understood that you use nothing but brass pipe in the small building known as the Galvanometer Room.

The whole system of Sprinklers, Watchmen's Automatic Fire Alarm, compound system in small buildings, pipes, risers, and valves, to be acceptable to the New York Board of Fire Underwriters; for the sum of ($3400) thirty four hundred dollars.

Youhs very truly,

H. P. C. Rossi

President

Aug 22nd 1887

S. B. Eaton Esq
120 Broadway
New York

Dear Sir:-

Referring to your favr of the 20th inst I beg to give you below a list of the Stockholders of the Edison Phonograph Company.

Thomas A. Edison	10350
A. O. Tate	50
Saml Insull	100
J. L. Tomlinson	150
E. D. Kittland	300
J. Bergmann	100
J. L. Ruff	50
E. H. Johnson	250
S. W. Poppam	50
A. H. Dyer	50
A. K. Beller	50
J. R. Ott	50
Chas. Batchelor	450
	12000

There was also a certificate drawn to order of Mary Hennessy for 150 Shares which was in some way deducted from the above but how I cannot tell as it was done by Mr Tate and I have no way of finding out as the Stock Book is not here.

Yours truly
John D. Randolph.

August 23, 89.

Mr. W. J. Jenks, Director,

Office of the Standardizing Bureau,

Edison Electric Light Co., New York City.

Dear Sir:-

In reply to your letter of 22nd instant, asking us to fix a price on the new meter solution, we beg to state that, we will supply this solution at the rate of thirty cents per gallon, bottles to be charged for and freight paid by receiving station.

Yours very truly,

Edison Laboratory

By

Private Secretary.

Aug. 23, 89.

A. M. Bowers, Esq.,

6 Laundry Pl., Newark, N. J.

Dear Sir:-

We accept your estimate of Aug. 21st for water tank for $215.00; tank 17 feet in dia., stave 8 ft. long; bottom 3" in the rough; staves 3 1/2" in the rough; bottom head-blind bolted. Wood to be selected cedar; tank to be erected by you upon our platform. Everything to be satisfactory to us. Please make and put in position early by Saturday, August 31st, 1889.

Yours truly,

Edison Laboratory.

H.

August 23, 89.

W. J. Harmer, Esq.,

P a r i s , France.

Dear Sir:-

On Saturday last, 24th instant, we shipped to Mr. Edison, per S. S. "LA NORMANDIE," 8 Band cylinders, and 92 Clarionet and Piano, with French, German and Italian announcements.

Yours truly,

E d i s o n L a b o r a t o r y.

H.

August 26, 89.

Thomas A. Edison, Esq.,

c/o Messrs. Drexel, Morjes,

Paris, France.

Dear Sir:-

We shipped you on Saturday last, 24th instant, per S. S. "LA NORMANDIE," 8 Band cylinders, and 82 Clarionet and Piano, with French, German and Italian announcements.

Yours truly,

Edison Laboratory.

M.

Address "Edison, New York."

From the Laboratory
of
Thomas A. Edison.

Orange, N.J., August 28, 188

William H. Curtis, Esq.,

Special Agent, Department of State,

Washington, D.C.

Dear Sir:

Your favor of August 24th came duly to hand.

I expect Mr. Edison to return early in October, and I am sure that he will be only too glad to show the Delegates to the International American Congress through his establishment at Orange. I think that would be the most interesting place for the gentlemen in question to visit, as it is there that Mr. Edison conducts all his experiments. As soon as he returns I will communicate with you again in relation to the matter.

Yours very truly,

Signed, Samuel Lowell,

Attorney for Thomas A. Edison

Aug. 28, 89.

H. M. Livor, Esq.,

#10 Dey St., New York City.

Dear Sir:-

Are you in a great hurry for that water separator which Mr. Edison instructed us to make for your Company?

Yours truly,

EDISON LABORATORY.

M.

August 29, 89.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

I telephoned you to-night in regard to test sheets of transformers, and in order to be sure that you understood what I mean, I asked you to send me a test sheet of each size of transformer you have made of the Edison type, giving me also the method of winding and the sizes of wire used, and also denoting which type of machine it is.

I should be very glad if you would also send me 5 copies of each number of machine, running from No. 1 to 60, in order that I can take the mean of them for purposes of calculation. What I want is simply test sheets of 5 different No. ones, 5 each No. twos &c., of the machines you make.

Yours very truly,

A. E. Kennelly

Aug. 23, 80.

A. S. Brown, Esq., Sup't.,

Western Union Tel. Co.,

New York City.

Dear Sir:-

You will probably remember a few nights ago, when we were going down in the train together, my talking to you about a test of a new battery that I want to make on your lines.

Would you be kind enough to indicate just what kind of carbon batteries you are using now, and also let me know where I could make such a test and the present number of cells that are being used on that circuit. I should like to have one of the hardest circuits that you have got - I mean one in which the battery cost both for materials and labor is the most. This I think we can show up best on.

I want this information simply to get at the probable quantity of cells that I shall have to prepare, and when it is ready shall be glad to call upon you in regard to the matter previous to doing anything, in order to get your permit.

Yours very truly,

Chas. F. Batchelor

Sept. 3, 1880.

George E. Holbrook, Esq., President,

The New York Telegraph Club,

New York City.

Dear Sir:-

I beg to acknowledge the receipt of your letter of 2nd instant, addressed to Mr. Edison, notifying him of his election as an Honary Member of The New York Telegraph Club.

Mr. Edison is at present in Europe. On his return from abroad he will doubtless be much gratified to learn of this action on the part of The New York Telegraph Club.

Yours truly,

Private Secretary.

Sept. 3rd 1889

German National Bank
Newark N. J.

Dear Sirs:

I beg to enclose you herewith two checks from the Western Union Telegraph Company for $1053. 33/100.

Please place same to my credit and oblige.

Yours truly
Thomas A. Edison
A.

Sept. 4, 89.

Mr. H. Hiesmann,

34 University Pl.,

New York.

Dear Sir:-

Will you please come to the Laboratory on Thursday next and bring a cornet player with you. We would like you for the balance of the week, if you have no other engagements.

Yours truly,

R. Tate

Private Secretary.

A.

Sept. 3, 80.

Dr. E. Lommel,)
Dr. L. Schrecke,) Munich, Germany.
Dr. E. Voit.)

Dear Sirs:-

Referring further to my letter of 27th April last, I have much pleasure in enclosing herewith Mr. Edison's check for Two Hundred and Fifty Dollars ($250), his contribution to the Oh! Monument which you purpose erecting in Munich, endorsed payable to the order of Messrs. Merck Finckh & Co. Kindly acknowledge receipt, and oblige

Yours truly,

Private Secretary.

Sept. 4, 89.

Mr. A. S. Brown,

Western Union Tel. Co.,

#195 Broadway, New York.

Dear Sir:-

In answer to your letter of Sept. 3rd, I should be glad if you will have the measurements made of the battery spoken of, and we will see what we can do with that circuit for you. I presume that if you get satisfactory results on this, it would give you the information that would enable you to judge whether it would be a saving of money to you to use this battery on circuits outside of New York, used for the same purpose.

Yours truly,

Sept. 4, 80.

Mr. J. C. Henderson, Chief Engineer,

Edison General Electric Company,

46 Wall Street, New York.

Dear Sir:-

I find it a little difficult to get drawings of street car running gear to adapt to different plans that we have devised for running them by electricity. I thought probably that you would have some means, as you have been studying the thing up, of getting such drawings, or perhaps you have them already. If so, would you kindly let me have them, to take a copy of them, and very much oblige

Yours very truly,

Chas. Batchelor.

M.

Sept. 4, 89.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

What has become of the Commutator for small motor that we ordered from you some time ago? Please have this furnished at once, as we are waiting for it.

In regard to tubes and copper bars concerning which we requested some information as to price &c. some time ago, the following is a list of what we want:

8 tubes of 4 Conductors with all material except compound	2 #75 2 #150	Or nearest numbers.
8 tubes of 2 Conductors OD	#3	800,000 c m

200 feet of bar 2" x 3/8"
100 feet of multiple (10 wire) rubber cable not tubed, each about #13 WWG.

Please give us prices, and how soon the material can be delivered.

Yours truly,

Chas. Batchelor.

M.

Sept. 3, 80.

Samuel Insull, Esq.,

New York City.

My Dear Sir:-

Mr. Edison before he went away, told me that he desired to give to John Ott Five Hundred Dollars when he went for his vacation. I find Mr. Edison has left no instructions with Randolph in regard to the matter, and as John wants to go on Monday, I would be glad if you would give him a check for that amount.

Yours very truly,

Uhe Bertoke

9/5 1889.

T G Barber Esq.
Dear Sir,

We accept your estimate of $44.50 delivered at Laboratory for 6 sash each of 15 light 12/14 - style 2" thick and same width all round — Width from outside to outside of style to measure 4/5 inches.

5 sash each of 9 lights 12/14 - style 1½ in thick same width (2½") all around.

Two complete windows, that is two two frames, and sashes for each. Two sash for each frame, each sash of 6 lights 12/14 -

Frames to have pulleys and pockets - every thing regular make
See tracing showing arrangement of glass.

Yours Truly
Edisons Laboratory
Thomas.

Sept. 6, 30.

The Edison Machine Works,

S c h e n e c t a d y,
N. Y.

Dear Sirs:-

We have your letter of 4th instant, in regard to tubing, and the prices which you quote are satisfactory. You will, therefore, please supply us, as soon as possible, with the following:- Five (5) tubes composed of two #80 and two #130 copper rods, with all material, excepting compound, and with eight (8) tubes 800,000 c. m.. Also 200 feet of Bus Bars 2" x 3/8", with [illegible] and 100 feet of multiple 10 wire rubber covered cable, composed of 10/13 BWG wires.

Yours very truly,

EDISON LABORATORY.

By Chas. Batchelor
A.

Sept 10th 1889.

S. O. Garrison Esq
Vineland N. J

Dear Sir:-

Your favor of June 17th was handed me by Mr Edison with instructions to send you five dollars for The N. J. Home for the Education and Care of Feeble Minded Children.

My having mislaid same and just coming across it, is the reason your letter has not been answered before and I enclose you herewith the $5.00/100.

Yours truly
John F. Carroll Supt.
Orphan.

Sept. 10th 1889.

Miss Howe
Llewellyn Park N.J.

Madame

I beg to enclose you herewith $10.00 for the Orange Bureau Associated Charities, and I am very sorry I had not sent it sooner for when Miss Edison left Orange for Europe she handed me your book with instructions to send you ten dollars, and the book was mislaid by me and only came to hand this morning

Very Truly
John D. Randolph
Cashier

Sept. 13, 80.

Mrs. E. Edison,

Queen Square, [illegible],

Bedford, England.

Dear Madam,-

In reply to your letter of 20th August, I beg to inform you that Mr. Thomas A. Edison is not an Englishman. He was born at Milan, Ohio, United States of America. The family of Edisons, of which Mr. Edison is a descendant, migrated to America from Holland in 1730. Mr. Edison is, therefore, of Dutch descent. His mother was a Canadian of Scotch and English parentage.

Yours truly,

Private Secretary.

Sept. 10, 80.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs,-

Please send to the Laboratory one of your 250 Watt Dynamos, immediately.

Yours truly,

[illegible] 89.

Mr. Thomas [illegible],
[illegible] Electric [illegible]
[illegible] New York City.

Dear Sir:-

The following is copy of [illegible] cablegram which was [illegible] from the Edison Phonograph Company, London:

Paper London [illegible] 14th
[illegible]

[illegible] fifty lamps [illegible] thirty [illegible] Edison [illegible] with [illegible] for 300 hours each 1,[illegible] lamps twenty [illegible] cells with 500 [illegible] cells [illegible] [illegible] fifty [illegible] for continent.

EDISON PHONOGRAPH COMPANY
Northumberland Avenue, London.

[illegible] part of $[illegible] we will take no notice of the order, however, until [illegible] advised us on the matter. Please

T. S.

-3-

Order is being placed immediately on receipt of the blank.

Yours truly,

EDISON LABORATORY

By

Sept. 17th 1889

Thomas Butler Esq
44 Wall Street
New York.

Dear Sir:-

I beg to acknowledge receipt of your favor of the 16th inst stating that you had send a $5000. note from the Edison Phonograph Works to be discounted for Mr Edison's a/c at the German National Bank.

Please let me know where the same was made payable and oblige

Yours truly
John R. Randolph.

Sept. 17th 1889

Thomas Butler Esq
44 Wall Street
New York

Dear Sir:-

Referring to your favor of the 14th inst stating that you had that day discounted a $5000.00 note for the Edison Phonograph Works and had sent the proceeds to them amounting to $4874.65

Will you please let me know by whom the note was discounted and where payable and oblige

Yours truly
John R. Randolph

Sept. 18th 1889

J. H. Dunn Esq
West Orange N. J.

Dear Sir:-

I beg to enclose you herewith check for $139.$\frac{35}{100}$ in payment of your account.

In future do not give anyone a lunch or dinner to be charged against me without an order from here signed either by Mr Batchelor Mr Ott or Mr. H. Miller and when you receive an order from here for a lunch or dinner it does not include thirty cents worth of Beer and a quarter worth of Cigars to be charged against me as has been done in the past. Any Beer or Cigars to be charged against me you will receive an order for.

I wish you to be very strict in regard to the above and not deliver anything without an order as I will refuse to receive a bill if you have not an order for each item on the Bill.

Yours truly
Thomas A. Edison
By John F. Randolph

Sept. 16, 1896.

The Dowslin Copper Co.,

M. P. Malinoski, Esq., Sec'y.

Cleveland, Ohio.

Dear Sir:-

Replying to your letter of 14th instant addressed to Mr. Edison, inquiring about the report of copper ore received from you, I beg to inform you that we have obtained very good results, and are only awaiting Mr. Edison's return from abroad to try it on a larger scale. We think that we have a good process for ore now, and when Mr. Edison gets back, we will take the matter up over again and consult.

Yours truly,

Private Secretary.

September 18th, 1891.

Mr. Samuel Insull, President,

Edison Phonograph Works,

Dear Sir;

I hand you to-day, model of the Phonograph Toy Doll with the new stamped body. The cost of this doll is $17.50 per hundred. The cost of the talking part, as I gave you before, is $24.00 per hundred. This will make a total of $41.50 per hundred for the doll dolls, complete with the talking arrangement it. I would call your attention to the fact that this new model of the body is about three times cheaper than the old model that we make. This is not surprising when you know there is over double the square inches of metal in it, and over three times the number of operations in it. I think myself that it is by far the better model of the two, and what they pay extra for this body they will certainly save on their finished doll, by reason of the fact that they have now only got to buy heads, arms and legs instead of having this stitcher inside the body of the doll. As I said to you before, I think it quite probable that they may ask us to assemble the heads and legs etc. This we never intended to do, but should be glad to store them and assemble them whilst we are assembling the talking part, for a matter of about $3. per hundred, providing they furnish the box, the head, legs, arms and clothes complete, and keep a store man who will receive and deliver to us such goods, and receive for shipment finished dolls from us, giving us a receipt therefor. The packing is a thing that we can ar-

A. Metcalf, 2.

range for afterwards, but I think it is quite proper for us to look on to our bill the receipt of their man who is stationed at our place, and which shall be the guaranty of the Company having received the goods, whether shipped by him or by us.

In regard to the tools for the old body that we have had to throw away, they cost us about $1,000., which they (The Phonograph Toy Doll Co.) I think, ought to refund. The tools for making the new body will cost us in the neighborhood of $2,500., but this should belong to us.

Very truly yours,

Chas. Batchelor

Sept. 20, 1889.

N. F. Smith, Esq., Chief Train Dispatcher,

New York, New Haven & Hartford R. R. Co.,

New Haven, Conn.

Dear Sir:-

Your telegram in regard to phonograph records was duly received, and I immediately wired you in reply to the effect that cylinders would have to be obtained from the North American Phonograph Company, No. 160 Broadway, New York City. I regretted very much being obliged to telegraph you thus, but Mr. Edison's contracts with the North Am. Phono. Co. preclude his selling phonographs or supplies therefor, for use in the United States, the same being obtainable only from the North Am. Phono. Co. or their authorized agents. Had Mr. Edison been at home, I am sure he would have been very pleased to have presented you personally with a few good recording; but in his absence, however much we would like to gratify your desire in this connection, we are powerless to do so, for the reason mentioned above. When Mr. Edison returns from abroad, I shall bring the matter to his attention, and he will doubtless present you with a few choice records. Meanwhile, I

N. H. R.

-2-

think that the position from a way you obtained your phonograph should be able to secure some records for you.

Yours very truly,

Prince Sarrasani.

Telegram.

D. H.

N. W. Smith, Chief Train Dispatcher,

New York, New Haven, & Hartford R. R.,

New Haven, Conn.

Phonograph cylinders have to be procured from the North American Phonograph Company, #160 Broadway, New York City. Chromic Acid goes forward to-day.

A. O. F a t e s.

Sept. 20, 80.

Messrs. Drexel, Morgan & Co.,

New York City.

Dear Sirs:-

I beg to acknowledge receipt of your favor of last instant, addressed to Mr. Edison, notifying the latter that his account is debited under Travelling Credit, $492.23.

On the 16th of January, 1880, you furnished us with a statement, showing $190,870.44 to Mr. Edison's credit. Will you please furnish us with a statement of Mr. Edison's account from 16th January, 80 to present date, and very much oblige

Yours truly,

Private Secretary.

Sept. 20, 80.

Jesse H. Lippincott, Esq.,

#180 Broadway, New York City.

Dear Sir:-

The Edison Phonograph Wks have referred your letter on moulding cylinders on wood, to me. The process you speak of I believe is what mentioned by Mr. Williams, and I have to-day written him to get more particulars about the matter. As soon as I receive a letter from him, I will have it tried.

Very truly yours,

Sept. 20, 89.

L. Rainey Williams, Esq.,

The Eastern Pennsylvania Phonograph Co.,

Stock Exchange Bl., Philadelphia, Pa.

Dear Sir:-

The Phonograph Works having received instructions from Mr. Lippincott to take up the matter of making a cylinder on a hollow wooden base, they have asked me to make the necessary experiments to know whether it will improve our present cylinders.

I presume that this is the process that was spoken of by you in your letter to Mr. English of September 13th. Before commencing I would like to ask you for a little more explicit description of the process, as I do not quite understand how you want them made.

Any instructions that you can give me on the subject, I shall very gladly receive, and the best of my ability will be devoted to get a satisfactory result.

Very truly yours,

Sept. 20,80

Thomas Butler, Esq.,

244 West St., New York City.

Dear Sir:-

Here is copy of a cablegram received this afternoon

from London:

London, Via New York Sept. 20, 80.

To Thomas A. Edison,

Get ready prompt shipment Denmark receipt letter thirty motors nineteen treadles one light.

Mr. Batchelor took with him this evening a copy of the above, with the intention of showing it to Mr. Ingrill.

Yours truly,

Chas. L. Clarke

[illegible] Sept. 21, 90.

M[illegible]

[illegible]

yesterday evening from Jackson and [illegible] Edison [illegible] to refer to yourself:

"London, via New York, To Thos. A. Edison Sept. 20, 1890.

[illegible] Phonograph, [illegible] twenty thirty motors, [illegible] breaking one light."

Mr. Batchelor took with him to New York last night [illegible] of the above, with the intention of submitting it to Mr. [illegible], from I think he should consult before acting upon it.

Yours truly,

Sept. 23, 89.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

The thousand ampere machine that you have sent us I am very much disappointed with. I was under the impression that this machine would give 1,000 amperes at 10 volts at a reasonable speed, but I find that it is dangerously hot, and will only give 2 1/2 volts. This is no good for us, and I would like to know whether you could not take the wire from this armature and twist it similarly to what you do on the heavy current machines of our own types, so as to do away with the enormous foucault currents generated in the wire. Please let us know immediately about this.

Yours very truly,

Sept. 27, [illegible]

Messrs. [illegible] & Co.,

Philadelphia, Pa.

Dear Sirs:-

Your letter of [illegible] instant has been duly received and contents noted.

In reply we would state that the cost of altering kits for photographic [illegible] recently purchased from you, was not included in our claim against you for repairs.

The goods after being unpacked were placed in a room of normal temperature. It seems to us that the defects complained of were caused by careless workmanship. For example, the handle tongue or handle hook but the wood hook of the cover of the plate holder is such an extent as to crack it from one side to the other causing an opening of an eighth or an inch. This is one of [illegible] is what causes the cover to crack. This occurs on all the [illegible] ders. The top of the table was also cracked in several places but for this we have made no charge.

Very truly,

Edison Lamp [illegible]

Sept. 25, 20.

My Dear Johnson,

Harold told me that he thought you were going West, and, therefore, I have not sent a note to your house in regard to the photograph. I am, however, glad Frank to go there at any time that you may be willing to show him as you like, to give you instructions concerning the work at the studio. Please let me know, and I will see him with pleasure.

Very truly yours,

Chas. Dana Gibson.

To H. Johnson, Esq.,

10 West 34th, New York.

Sept. 24, 1[illegible].

Mr. Paul Gilmore,-

You told me some short time ago that you could spare a stenographer. At that time I did not want him, as I had just hired a man. However if you have a good stenographer now, who understands dictaphone work, I would be glad to get him. Then if some, I can give him a letter of introduction to me, and, if possible, let him come right away. Also let me know what you have been paying him.

Very truly yours,

Chas. Batchelor.

Mr. W. M. Gilmore,

Edison Machine Works,

Schenectady, N. Y.

Sept 26th 1889

Thomas Butler Esq
44 Wall Street
New York

Dear Sir

I beg to acknowledge receipt of your favor of the 25th inst informing me that you had received a check from J. B. Chapman for $4865 and had deposited same to the credit of the Edison Phonograph Works at the Third National Bank New York.

The same being the proceeds of one of the Edison Phonographs Works Notes for $5000.

Very truly
John F. Randolph

Sept. 21, 1888.

Messrs. Horner Brothers,

Fifth Ave. & 30th Street,

New York City.

Dear Sirs:-

I write this letter to ask you the reason why Mr. Edison's house has been so much neglected by your firm? It is intended that the house shall be occupied on October 1st, and Mr. Edison's return is expected a few days later, and you are very far from finishing. The Goodhann has informed me that he has repeatedly asked you on telephone to have the work hurried up, but that he can get no satisfaction. Will you be good enough to have this attended to at once, and let me know by return mail when you will be sure to have the whole thing finished.

Very truly yours,

Sept. [illegible], 1[illegible].

[illegible]

Mr. J. Block.

[illegible]

Dear Sir:-

I send you a sketch of a six [illegible] for repro-duction; also [illegible] and big [illegible] funnel, as requested. I think you can get these cases there by any Tinsmith equally as good as we make them here.

In regard to solution for tracer cell, the solution that we used was a Chromic Acid solution, but as it is quite possible that you would have trouble in getting Chromic Acid, we give you one that we and which is almost as good:-

16 1/2 lbs. Sulphuric Acid
8 lbs. Bichromate Soda.
40 lbs. Water.

This, of course, would fill your jar quite a number of times, but I give you it in this quantity, because that is the way we made it up here. I shall be glad at any time to give you any information you may wish in regard to this business, and hope that you may be successful in experimenting and showing the machine.

Very truly yours, [illegible]

Sept. 23, 1[illegible]

EDISON GRAPH DEPARTMENT.

My Dear Mr. Gross,-

I have received your letter of Sept. 20th, in regard to an agent there for the phonograph toy doll. I know nothing about the rotary model, but even, if so case, according your letter to Mr. Kimball, you will give you all the information that is necessary on that point.

I am glad to hear from your letter that you are having success with the phonograph on the Pacific Coast, although, as you say, it is very difficult at first.

Am pleased to hear of McGowan's success.

Very truly yours,

[illegible]

Louis Gross, Esq.,

325 Pine St., San Francisco,

Cal.

Sept. 23, 1[illegible].

Messrs. Horner Brothers,

#[illegible] Fifth Ave., New York City.

Dear Sirs:-

I have your [illegible] and note what you say. Your men have not commenced yet to lay the carpet in Mr. Mahson's house or put up the [illegible] &c. I trust it ignorant that this work should be commenced at once, and should be [illegible] [illegible] men out on Monday next (30th inst.) to attend to this work. Please do not fail to have your men begin this work promptly as desired.

Yours truly,

[illegible]

Sept. 28, 22.

Messrs. Bergmann & Co.,

J. Hutchinson, Esq., Ass't. Gen'l. Manager,

New York City.

Dear Sirs:-

I beg to advise you that the old type dynamo referred to in your memorandum to us of the instant was duly received at the Laboratory. Mr. Hutchinson says that this dynamo belongs to Mr. Edison and not to Mr. Bergmann.

Yours truly,

Edison Laboratory.

Sept. 30, 89.

The Edison Phonograph Toy M'f'g. Co.,

95 Milk St., B o s t o n , Mass.

Dear Sirs:-

I should not bother you with this matter, but that I believe Mr. Allien sailed for Europe last Saturday. When Mr. Briggs and Mr. Allien were here the last time, I showed them that the holes in the socket of the doll body were liable to cut the rubbers that hold the legs in. I have been able to remedy this defect by making longer hooks in the inside, which do not interfere with our apparatus. They, however, would make the rubbers on the legs shorter. Is it possible that you can allow this? If so, please let me know right away.

Very truly yours,

Sept. 30, 89.

My Dear Mr. Shaw, -

I received yours of Sept. 27th this morning, enclosing Mr. Hinkley's patent specification. I have been working on similar work for Mr. Edison for the last three or four years, and, therefore, I do not feel as if I should like to give you any opinion on this particular one. If you wish to have it brought before the General Electric Co., I know of no other way than for you to write direct to Mr. Edison about it. He may possibly give you some satisfaction. Am sorry to hear that the Westinghouse people are going to put you out of a job. However, I feel quite confident that P. S. S. can take care of himself in electric lighting matters.

Very truly yours,

Charles Scott

P. S. Shaw, Esq.,
Williamsport, Pa.

Sept. 30, 20.

Col. George F. Gourand,

Little Menlo, Upper Norwood,

Surrey, England.

My Dear Colonel,-

Yours of the 21st to hand. Your requests in regard to London and Denmark shipments shall be attended to, and I will see that you get all the latest improvements. I have referred your letter to Mr. English, with instructions to carry out its request to the letter. The trouble with the slipping "grams" was due to the fact that for some time we did not have enough to ship and had to finish them before they were what we called "perfectly seasoned." Since, however, we have got in to the new wax shop, we have had about 20,000 seasoning all the time. You will not have this trouble in future I feel quite sure.

Very truly yours,

Chas. Bartlett.

Oct 3rd 1887.

Thomas Butler Esq
44 Wall Street
New York.

Dear Sir:-

I beg to acknowledge receipt of your favor of the 1st with enclosing receipt from Dr. E. R. Chabourne for $1115.00 for which please accept my thanks and the check had already been sent to her herself.

Also on the same day I received a letter from you with information in regard to the disposal of the proceeds of a $5000. note from the Edison Phonograph Works dated Sept 28/87

Thanking you very much for your information and kindness I remain

Very truly
John F. Randolph.

Oct 3rd 1889

Thomas Butler Esq
411 Wall Street
New York

Dear Sir:-

I beg to acknowledge receipt of your favor of the 2nd inst stating that you had received the check for $415.00/100

I thank you very much for your information in regard to the letter from Miss Leger and Guernsey and I have had same placed away very carefully in the files.

In regard to the letter from S. A. Cullen I hardly think I will send her any answer because if I told her Mr Edison would answer her question she might might make a "Proposal" and Mrs Edison might see the letter, and would come down to the Laboratory after me with a club and the lady from Texas might come after Mr Edison with a "Bowie Knife" so I concluded I would put the letter on file in a box which we have here called "Cranks."

Sometime when you are at the Laboratory and would like for some nice reading ask for this file and I think it will amuse you very much.

Thanking you for your trouble I remain

Yours truly

John F. Randolph.

October 3rd. 89.

Chas. Batchelor.

33 West 25th Street New York City

Opened machine, coils damp, dried them. found insulation high. will work Sunday and have machine running Monday. Mackrowan will explain tonight.

Ott.

Oct. 4, 1880.

Mr. C. P. Adams, Div. O'p'r.,

Baltimore & Ohio R. R., Baltimore, Md.

Dear Sir:-

Yours of Sept. 17th has just reached me. The formula for the chromic acid solution is as follows: Take five gallons of water, add slowly 15 lbs. of sulphuric acid (Don't overheat jar and break it). After the acid and water get cool, add 7 1/2 lbs. chromic acid. Stir well and solution is ready for use.

I was in Baltimore a few days ago, but sickness at the house prevented me from calling on you.

Put the acid solution in the porous cups, and water in glass jar, the same as the Bunsen. You might add a tablespoonful of sulphuric acid to the water in each jar.

Yours truly,

H. S. Gray

Letterbook LB-033

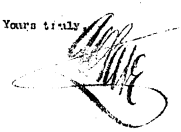
This letterbook covers the period October-November 1889. Most of the correspondence is by Edison and Alfred O. Tate. Included are letters relating to Edison's exhibit at the Paris Exposition and to the development of a new battery for use with his phonoplex system. Some of the correspondence deals with the operations of the Edison Phonograph Toy Manufacturing Co. and the presentation of phonographs to Mexican President Porfirio Diaz and other foreign dignitaries. Other letters pertain to the erection of buildings for the Edison Manufacturing Co. at Silver Lake, N. J. There are also letters to the firm of Dyer & Seely regarding phonograph and electric light patents for Europe, Latin America, and Australia. Also included is correspondence concerning Edison's stock transfers, his philanthropic contributions, and other financial matters. The book contains 500 numbered pages and an index. Approximately 50 percent of the book has been filmed.

Oct. 8, 1880.

My Dear Insull,-

Here is a letter from Gilbert Kapp, in regard to whom you cabled me while I was in London. I spoke to Mr. Edison about this matter when he was at Sir John Pender's, and he said that what he desired to obtain from Kapp, was a complete set of drawings of his "Alternator" and Transformer, for which he would pay a liberal amount, and he asked me to see Kapp and give him this information. I telegraphed Kapp, asking him to meet me in London on the 25th September, and he did not turn up, nor did I hear from him again before leaving there on the 27th. I, therefore, turn the matter over to you.

Yours truly



Oct. 8, 1880.

A. Marcus, Esq., Sec'y.,

Edison General Electric Company,

Mills Bldg., New York.

Dear Sir:-

At the request of Mr. Rusell, I enclose herewith Certificate No. 2025 of the Edison Electric Light Company, for ten shares of stock in the name of Thomas A. Edison, Trustee, which has been endorsed by Mr. Edison in favor of the Edison General Electric Company.

Yours truly,

Oct. 8, 1880.

Rev. Luther M. Kumler,

M i l a n , Ohio.

Dear Sir:-

Referring further to your letter of 27th ultimo, I have to inform you that Mr. Edison has now returned from abroad, and I take much pleasure in enclosing herewith his check for Two Hundred and Fifty dollars ($250), drawn to your order, the same being amount of his subscription towards the erection of a new Church edifice in Milan, to replace the one destroyed by fire some time ago. Kindly acknowledge receipt, and oblige

Yours truly,

Private Secretary.

Oct. 8, 1889.

My Dear Insull,-

The Mayor of New York has invited Mr. Edison to attend a meeting of the Committee for the International Exposition of 1892 at the Governor's Room, City Hall, on Thursday afternoon, 10th instant, at three o'clock, and Mr. Edison desires to be present. I have communicated his intention to the Mayor, and as Mr. Edison will be with you on Thursday morning, I wish you would remind him of this engagement.

Yours very truly,

Private Secretary.

Samuel Insull, Esq.,

Oct. 8, 1890.

W. McM. Speer, Esq., Secretary,

The Committee for the International Exposition of 1892,

Mayor's Office, City Hall, New York.

Dear Sir:-

Mr. Edison desires me to acknowledge receipt of your letter of 4th instant, inviting him to attend a meeting of the Committee for the International Exposition of 1892, at the Governor's Room, City Hall, on the afternoon of Thursday, 10th inst., at three o'clock, and to say that it will give him pleasure to be present.

Yours truly,

Private Secretary.

Oct. 8, 1889.

My Dear Mr. Stevens,-

Mr. Edison asks me to thank you for your very kind letter of the 7th instant, congratulating him upon his return, and I am myself very much indebted for the kind message which you sent me. We had a delightful homeward passage and all feel very much benefited by our sojourn in Europe.

I enclose herewith Mr. Edison's proxy for the meeting of stockholders of the Edison Phono. Toy M'f'g. Co., to be held at Portland, Me. on Thursday, 17th instant, executed in favor of yourself. Mr. Edison will be glad if you will elect me as a Director to represent him, and you can transfer 10 shares of his stock to me, to enable me to qualify. That I presume would be a sufficient number. As I understand it, Mr. Edison, under his agreement with your Company, is obliged to hold personally 12,500 shares of the stock allotted to him in order to be entitled to a percentage of any future increase, which leaves 1000 shares free and out of which latter ten shares for me may be taken without impairing any of his rights

I am going to write you again in a few days, on the matter

which we discussed in Paris. Is it your intention to be in New York within the next few weeks.

With kindest regards, I am yours very truly,

Treasurer Secretary.

Benj. F. Stevens, Esq.,
New England Mutual Life Ins. Co.,
Boston, Mass.

Oct. 8, 80.

Mr. W. R. Wills,
American Waltham Watch Co.,
Waltham, Mass.

Dear Sir:-

Your letter of Oct. 7th to hand, enclosing diamond splints. I have given Mr. Wallen the information in regard to them that you specify in your letter. I have also received by mail the sapphires. At present I see no reason why we cannot use the garnet for the ball. We are making them at present and are going to put them right on to the phonograph, and I will be able to let you know in a short time whether we shall make them permanent or not. In regard to your phonograph battery, I think the cause of the battery playing out so quick is the fact that you have not got those little rubber lugs that I spoke to you about in between the copper plates. I have ordered the phonograph works to-day to send you up two sets of zincs, two sets of copper plates, two full charges of soda solick, and also four small lugs to go in between the copper plates. I think when you have the small lugs in between the coppers, your battery will work better.

Very truly yours

Oct. 8, 1889.

J. C. English, Esq., Manager,

Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

Here is a letter from Mr. Connery, in regard to a phonograph for President Diaz. Will you kindly let me know what is being done about the machine.

Yours truly,

Private Secretary.

Oct. 9, 80.

Thomas Butler, Esq.,

44 Wall St., New York City.

My Dear Sir:-

I enclose herewith three (3) notes of the Edison Phonograph Works, at five months, for $5,000 each, made payable to the order of themselves, and countersigned by Mr. Edison as President; also two (2) notes of the Edison Phonograph Works, at four months, for $5,000 each, endorsed payable to the order of Thomas A. Edison, and countersigned by the latter. None of these notes are dated. Also fill in the name of the Bank where they are to be payable

Yours very truly,

Oct. 9, 1889.

G. H. Coster, Esq.,

Messrs. Drexel, Morgan & Co.,

New York City.

Dear Sir:-

The enclosed form of assignment of certain patents to the Australasian Electric Light, Power & Storage Co., Lt'd., was sent to Mr. Edison for his signature by Messrs. Waterhouse, Winterbotham & Harrison, of London. Knowing that you are familiar with the affairs of this Company, Mr. Edison would be glad if you would advise him as to whether it is all right for him to sign the document.

Yours truly,

Private Secretary.

Cable.

Westerhouse October 8, 1889.

YES.

Edison.

Cablegram.

Newark, Oct. 8, 1889.

Paris.

Accept offer United States official album.

EDISON.

Oct. 9, 1920.

Dear Mr. Fox,-

Mr. Edison reached home on Sunday, and has just read your letter of 8th instant.

If you have not succeeded in obtaining an expert in Nashville, let us know at once. We can find a young man who speaks Spanish, and get him ready for you in a very short time.

Yours very truly,

Private Secretary.

Edwin M. Fox, Esq.,
147 Nassau St., New York.

[1889-10-09]

My Dear Mr. Cornery,-

Your instruments are going forward to-day. One of these is for President Diaz, to whom I have dictated a phonogram, the text of which I enclose herewith.

I trust that all your material will reach you safely.

I have given instructions at the Phonograph Works for all necessary supplies to be included in your shipment.

Yours truly,

T. A. Edison

Thos. B. Cornery, Esq.,

c/o U. S. Legation,

City of Mexico.

Oct. 9, 1880.

Mr. W. S. Logue,

Taylor's Hotel, Jersey City,

N. J.

Dear Sir:-

As soon as you are through with the circuit on which you are now working, I want you to return to the Laboratory for the purpose of setting up some phonoplex stations. Mr. Edison is going to try some new coils and give us the extra 50 miles in length of circuit in order to capture those installations out West.

I have your letters of Oct. 8th.

Yours truly,

Oct. 9, 1889.

To

General Porfirio Diaz,

President of the Republic of Mexico.

Dear Sir:-

Upon the eve of the introduction of the phonograph to the people of the Republic over which you so ably preside, it has seemed to me a fitting preliminary that its acquaintance be made by yourself, and I have, therefore, taken the liberty to send you through my friend Mr. Thomas H. Gomery, a machine for your own use.

This is the first one of my perfected instruments to enter the Republic of Mexico, and in asking your kind acceptance of the same it is with the hope that in its capabilities you may find not only pleasure but that it may to some extent assist in lightening the labors of an office whose manifold duties have but served to heighten the esteem in which you are held by the people of your own and other countries.

I am, Dear Sir,

Yours very truly,

THOMAS A. EDISON.

Oct. 9, 1889.

W. F. Taylor, Esq., Div. O'p't.,

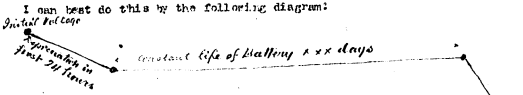
Pennsylvania R. R. Company,

Altoona, Pa.

Dear Sir:-

Referring to your letter of 5th instant to Mr. W. S. Logue, wherein you speak of the depreciation of the new battery which you are trying, I desire to correct a misapprehension which you have in regard to the way which this battery depreciates.

I can best do this by the following diagram:



You will see from the above that the whole of the depreciation takes place within 24 hours after the battery is set up, after which time it remains constant, dying very rapidly when exhaustion takes place. I am very much gratified by the result of your test and very much indebted to you for your kind attention.

Yours truly,

[illegible]trician.

Oct. 10, 1889.

Captain Francis I. Palmer,
Messrs. Frank & Du Bois,
#58 William St., New York City.

Dear Sir,-

Mr. Edison has received your letter of 8th instant, and in reply desires me to say that he is very much interested in the proposed International Exposition, and will help in every way possible to make it a success. He says, however, that it would be impracticable for him to give to your proposition the attention which would be necessary in order to produce the light effects which you suggest, for the reason that the Edison Exhibit will absorb most of his time and will call for so much of his personal attention as to preclude his undertaking any other work in connection with the Fair.

The papers explanatory of your project came to hand this morning, and I am returning them by this mail.

Thanking you on behalf of Mr. Edison for having given him an opportunity to examine your plan

I am, very truly yours,

Private Secretary.

Oct. 10, 1889.

John B. Spears, Esq.,

Editor's Office of The Sun,

New York City.

Dear Sir,-

Mr. Edison has received your letter of 8th instant, enclosing one addressed to yourself from Mr. Julian Ralph, and he desires me to say in reply that it will give him much pleasure to accept the invitation to dine with the Hallowcraft Club on October 16th.

Very truly yours,

Private Secretary.

Oct. 10, 89.

J. T. Marshall, Esq.,
Edison Lamp Company,
Harrison, N. J.

Dear Sir:-

With reference to your letter of 9th instant, requesting me to count over the packages of carbons delivered at the Laboratory by your messenger yesterday and sign enclosed receipt for same, I beg to inform you that heretofore it has not been our custom to sign receipts for fibres received from the Lamp Company. We have a book in this office in which we record the packages or boxes as they come from your Company (specifying the dates on which they are received and returned), but with the contents of same we do not concern ourselves. Thus far this has proven a sufficient check for all purposes, and we are of the opinion that it is unnecessary for you to impose upon us the task of counting the fibres. I can hardly believe that you expected me to count over the THIRTY THOUSAND, FOUR HUNDRED AND FIFTY fibres. To the lightning calculators of the Lamp Company, such a task is perhaps as easy as rolling off a log, but to us folk up here, life's too short for an undertaking, the magnitude of which simply appalls us.

I enclose herewith a receipt for the packages received Oct. 9th, and inasmuch as ~~it~~ requires your messenger to sign receipts

for all packages delivered to him, we will in future receipt for those received from you, and would suggest that you send with the boxes a form of receipt for our signature.

I regret that I am unable to inform you as to how many fibres, and of what size, were received here October 2nd. The book shows that we received one package and one wooden box, but what they contained I do not know.

Please send your messenger to the Laboratory to-morrow (Friday) morning. There will be a package ready for him.

Very truly yours,

Oct. 11, 1880.

The Edison Lamp Co.,

Harrison, N. J.

Dear Sirs:-

Some time ago we received from you an Annealer for inside parts of lamp, of which the fires were imperfect. We sent the letter to the Lamp Co. for repairs, and as yet they have not been returned. We are very much in need of them at present, and will be obliged if you will send them to the Laboratory immediately

Also, please send about 200 wires for inside parts, and oblige

Yours truly,

Oct. 11, 89.

Messrs. Dyer & Seely,

40 Wall St., New York.

Dear Sirs:-

I enclose herewith form of assignment of certain electric lighting patents to the Australian Electric Light, Power and Storage Co., L'td., which Mr. Edison has signed. I submitted this document to Mr. C. H. Coster, and I enclose herewith a letter from Mr. Coster relating to the same under date 10th inst. Will you kindly read the assignment and advise us if Mr. Edison's electric railway interests are sufficiently protected. Also if you could give us any information in regard to the patents, Mr. Edison will be very much obliged.

Yours truly,

Private Secretary.

Oct. 11, 89.

Messrs. Dyer & Seely,

40 Wall St., New York City.

Dear Sirs:-

I enclose herewith the following French Patents, granted to Mr. Edison:-

2 Phonoplex, 29th December, 1885, and numbered 173,210; 173,209, respectively.

1 Ore Milling, December 10, 1888, No. 194,681

1 Pyro.-Mptor, November 22, 1887, No. 187, 124.

1 Pyro. Generator, November 22, 1887, No. 187,125.

1 Electric Railway, November 19, 1887, No. 187,087.

Please acknowledge receipt of the above, and oblige.

We have looked through our records, for French patent dated Dec. 17, 1887, on Municipal lamp, but have failed to find the same.

Yours truly,

Private Secretary.

Oct. 13, 80.

Mr. J. C. English, Gen'l. Manager,

Edison Phonograph Works, O r a n g e,

N. J.

Dear Sir:-

I require another phonograph for use in my office. Will you kindly send one over at your earliest convenience, and let it be of the latest type; also please send a cabinet with it.

Yours truly,

Private Secretary.

Oct. 9, 1889.

My Dear Somerville,-

I have received your very kind letter 8th instant, informing me that the Boston Club desires to extend to me certain hospitality in the shape of a dinner.

When I acquaint you with the state of my system you will not be surprised nor consider me ungrateful for having trembled when I read your note, and I feel that I can count upon your assistance in saving me from meeting with a crisis in my own country that I barely escaped while abroad - the complete disruption of my internal apparatus.

Eight days on the ocean have failed to repair the damage done to my digestion by a series of French dinners which it was impossible for me to avoid. I bore up bravely and ate everything that was set before me, like a plain American citizen, but I have returned a perfect wreck. I momentarily expect a violent attack of gout which will probably end up in blood poisoning and have four doctors watching me night and day.

It is not so much of myself that I think, but I have a young family to which I owe a duty and for its sake I want to relief

your sympathy and get you to obtain me a respite of at least a month until my present symptoms have had time to develop. If I still live at the end of that time I will be glad to report to you upon my condition and consider further the acceptance of the generous invitation of the Lotos Club.

Sincerely yours,

Thomas A. Edison

Oct. 12, 80.

Eugene Woodbond Weeks, Esq.,

Sunday Mercury,

New York City.

Dear Sir:-

Mr. Edison has received your letter of 8th instant, and it is needless for me to say that he is deeply interested in the subject to which you refer. He does not think, however, that it will be possible for him to give very much attention to the preliminary work connected with the proposed Exposition of 1883, for the reason that since his return from Europe he has commenced a new line of experiment which he is following up night and day, and also because the work connected with the preparation of his own exhibit will consume all the spare time at his disposal. He has attended one meeting of the promoters of this Exposition, and they have doubtless listened to his views upon the general questions which are now being popularly discussed.

Yours truly,

Private Secretary.

Oct. 18, 89.

George M. Hopkins, Esq.,

"Scientific American,"

New York.

Dear Sir:-

In reply to your letter of 14th instant, Mr. Edison will be pleased to see you at the laboratory Tuesday next p. m.

Yours truly,

Private Secretary.

Oct. 13, 80.

S. B. Eaton, Esq.,

120 Broadway, New York,

Dear Sir:-

Will you kindly send a dozen pamphlet copies of Justice Bradley's opinion, as prepared by you for the use of the Edison people, to the Laboratory, and oblige. This in response to your letter of 10th instant.

Yours truly,

Private Secretary.

Oct. 12, 80.

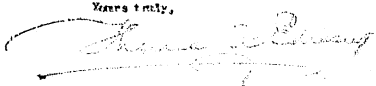
Mr. W. J. Hammer,

P a r i s , France.

Dear Sir:-

Messrs. Dyer & Seely are sending you six of my French patents to have proof made of the exhibition in France of the inventions covered by the same. This matter is very important and I desire you to kindly give every assistance to Messrs. Dyer and Seely's Agents in Paris.

Yours truly,



Oct. 12, 30.

My Dear Dick,-

Here are a couple of letters from Messrs. E. Zimmer & Co., 472 London Wall, London E. C., in relation to a suit which you appear to have commenced against them in connection with copying apparatus. These letters have never been answered, and as the matter seems to be somewhat important, I forward them to you for such action as you consider it desirable to take.

Yours truly,

Private Secretary.

A. B. Dick, Esq.,
New York City.

Oct. 12, 89.

J. Rowland Mix, Esq., Treas'r.,

Orange Mendelssohn Union,

Orange, N. J.

Dear Sir:-

I enclose herewith check for $12.00, in payment of annual dues as Associate Member of the Orange Mendelssohn Union. Kindly acknowledge receipt, and oblige

Yours truly,

Oct. 12, 80.

S. S. Eaton, Esq.,

120 Broadway, New York.

Dear Sir:-

You will remember mentioning to me in your office the other day the matter of recording on each phonograph the numbers of the patents under which the machine is constructed. You expressed doubt that this had been done. I have looked into the matter, and find that every machine that has been sent out, with the exception of about 24 instruments, has had a plate bearing the date of each of the U. S. patents issued on the phonograph. The 24 machines mentioned had no plates on them. Several of them were sent out before the plates were ready, but engraved on a body on each instrument was a record similar to that which now appears upon the plates.

Yours truly,

Private Secretary.

Oct. 14, 89.

Thomas B. Gomery, Esq.,

c/o U. S. Legation,

City of Mexico.

Dear Sir:-

I beg to confirm the following telegrams received from you and sent by mail:-

THOS. A. EDISON. New Orleans, Oct. 12, 89.

" Please telegraph me to Laredo, Texas, when machines left. T. A. E."

T. B. GOMERY, Laredo, Texas. Oct. 12, 1889.

"Machines shipped Wells Fargo Express 8th instant. T. A. E."

Yours truly,

Oct. 14, 89.

Col. George E. Gourraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegram sent your 12th instant :-

"Have not yet received instructions regarding shipment Denmark machines. We do not make hand phonographs. E d i s o n."

Yours truly,

Oct. 14, 80.

Mr. W. J. Hammer,

P a r i s , France.

D e a r S i r :-

I beg to confirm the following cablegram received from you to-day:-

"Edinburg exhibition want two-thirds exhibit for six months will deliver in New York at alone all expense two our own Commission will deliver in Scotland one war quick. I will make contract they arrange with Gourand for phonograph. Hammer."

Yours very truly,

Oct. 14, 80.

Lloyd Bryce, Esq.,

North American Review,

New York City.

Dear Sir:-

I beg to confirm the following telegram received from you and sent by me to-day:-

"Will you explain in three or four hundred words for the next North American Review the means of avoiding the dangers from electric wires in our streets? If desired will send stenographer. Answer paid. Lloyd Bryce."

"When must article be prepared? Edison."

"Thursday, or unless we can have it by then, it can't go in next number, and after that the public will probably have forgotten too much about the circumstances to give full weight to even your word. Shall I send stenographer? You could dictate to him, for though I should be pleased to have a long article, a page or so will be sufficient. Editor, North Am. Review."

"I will write it myself and send it over. EDISON."

"Very truly yours,

Oct. 18, 89.

A. B. Dick Co.,

32 Liberty St., New York City.

Dear Sirs:-

Will you please send to the Laboratory at your earliest convenience, one (1) MIMEOGRAPH, complete, with roller, ink &c., &c. Please include a supply of the prepared paper necessary for making type-written copies.

Yours truly,

Private Secretary.

Oct. 15, 1889.

Messrs. Murring, Maxwell & Moore,

New York City.

Dear Sirs:-

Please furnish to our factory at Silver Lake, N. Y., one (1) 30 horse power Upright Boiler, with 40 feet of smoke stack, at same price as furnished before. Let us know how soon we can expect those.

Yours truly,

[illegible] Co.

Oct. 15, 89.

New York Safety Steam Power Co.,

New York City.

Dear Sirs:-

Please furnish to our factory at Silver Lake, N. J., one (1) ten horse power Upright Engine, complete, same as furnished to our factory last June.

Yours truly,

[illegible]

Oct. 15, 1889:

George L. O. Davidson, Esq.,

Carlton Club, Pall Mall, London, S. W.,

England.

Dear Sir:-

With reference to your letter under date 30th August last, Mr. Edison regrets that his stay in London was too brief to permit of his having an interview with you.

Mr. Edison did make a few fundamental experiments in connection with aerial navigation, but had to suspend this line of experiment in favor of more important work requiring his attention.

Yours very truly,

Private Secretary.

Oct. 11th 69

O. M. Bowers, Esq.
Laundry Rooms,
Newark, N. J.

Dear Sir:-

Please furnish us one Cedar tank 7 ft x 4 ft. at same rate as 4 furnished us, see your bill June 20th 69. Tank to be delivered at Silver Lake. Oblige us ensure at your earliest convenience will oblige.

Yours truly
Edison Mfg Co
Geo F Kunz

Oct 16/89

Messrs Dyer & Seely
40 Wall St
New York

Dear Sirs: Replying to your letter 14th inst. to Mr Edison, the diagram which you enclosed of application No 716 for multiplex machine was handed to Mr Kennelly who furnishes the new diagram sent you herewith and says in a note to myself

"The examiner is right and the
"connection is made in the
"accompanying sketch which
"drawes replace fig. 1.
"If desirable the Pat. might be
"sent us here to look over before
"being sent in again"

The error was made by some draughtsman.
I return your tracing

Yours truly

Kennelly

Oct 17th 1889

Thomas Butler Esq
111 Wall Street
New York

Dear Sir;

As for your Telephone message this morning I beg to state that I hold four of the Edison Phonographs Works notes drawn to the order of Mr Edison, as follows.

Date	Time	Payable at	Due on	Amount
Oct 15. 1889	4 months	Third National Bank N.Y.	Feb 18. 1890	$ 6000
" 17 "	4 "	" " " "	" 20 "	5000
" 11 "	4 "	Orange " " Orange	" 14 "	5000
" 11 "	4 "	" " " "	" 14 "	5000
			Total	$21000.00

You will notice that two of these notes are due at the Third National Bank New York, and two at the Orange National Bank.

Yours truly
John S. Randolph.

Oct. 17, 80.

Jesse H. Lippincott, Esq.,

160 Broadway, New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Experimental machine finished and turned over to factory last night. It's a daisy.

Edison."

Yours truly,

Oct. 17, 80.

Secretary,

St. Louis Exposition,

ST. LOUIS, MO.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Phonograms have been sent by express."

Yours truly,

Mayor quotes

Oct 18th 1887

N York World — N York Sun, Tribune, Herald, Times, Star, Mercury, Journal

Expert Wheelers statement

Before Mayor reported in Evening papers that if Manhattan Co were ~~compelled~~ made to reduce pressure to three hundred volts they would be compelled to use the Edison System, ~~[illegible]~~ is not correct, The Manhattan Co ~~[illegible]~~ ~~[illegible]~~ as well as Mr Wheeler know perfectly well that by rewinding ~~the~~ present transformers with larger wire to adapt it to the reduced pressure, they can go right ahead with their present system and still ~~[illegible]~~ save but half of the copper wire now used in the Edison system,

T. A. Edison

E. H. Johnson.

Oct. 17, 1880.

West Hotel,

Minneapolis, Minn.

Edison light current phonograph works on any Edison circuit with six-tenths ampere.

Thos. A. Edison.

Oct. 18, 80.

Dr. J. Stickler,

Young Men's Christian Association,

Orange, N. J.

Dear Sir:-

Mr. Edison has asked me to send you the enclosed check for One Hundred Dollars, his subscription to the Y. M. C. A. Kindly acknowledge receipt of same, and oblige

Yours truly,

Private Secretary.

Oct. 18, 1880.

Mrs. E. A. Whiting,

Menlo Park, N. J.

Dear Madame,-

Mr. Edison has received your letter of 14th inst., and in reply he has asked me to send you the enclosed five dollar bill, the same to be applied for the benefit of the Methodist Church of your City.

Respectfully,

Private Secretary.

Oct 15.

Henry Villard Esq. Pres'dt.
Edison Genl. Elec. Co.
New York.

Dear Sir

Replying to your letter 16th inst. the trouble in the Sprague Armature is not due to the winding.

Previously, the burning out troubles occurred in the Field Magnet and not in the armature. To rectify this trouble the very poor remedy of having copper bobbins placed on the Field Magnet was adopted. This diminished the counter-electromotive force at any one moment so desired of from the change or discharge of the Magnet that the disruptive change was prevented. But it was this very change that saved the armature

and now being done away with, the whole of the Current comes to the armature like a Cannon ball unchecked by the back Current of the Field - the Consequence is that with heavy loads on grade, the armature must burn out. even if wound with absolute perfection -

Yours truly

(Signed) Thomas A. Edison

Oct. 19, 89.

A. B. Dick Company,

152 - 154 Lake Street,

Chicago, Ills.

Dear Sirs:-

I beg to acknowledge, with thanks, receipt of your check No. 148, for $540.97, in payment of Mimeograph royalty for quarter ending 3rd September, 1889.

Very truly yours,

Oct. 19, 89.

Messrs. Weyher & Richemond,

No. 50 Route d'Aubervilliers,

P a n t i n (Seine), France.

Dear Sirs:-

I beg to confirm the following cablegram sent you 18th instant:-

"Proposition your letter September tenth accepted. Forward drawings at once and hasten patterns. Please mail photograph three hundred horse power triple expansion. How soon could you deliver a three hundred horse power triple expansion engine at Havre for shipment to America?

E D I S O N."

Yours very truly,

Thos. A. Edison

Oct. 19, 89.

Mr. E. W. Clarke,

Machinist, 31 Wells St., Hartford, Conn.

Dear Sir:-

We understand that you make machinery for covering wires with insulation. Please send us circular of same, and also specify what pressure can be used in the machine to put such covering on. The purpose for which we want to use the machine, is for compressing some material, and we should like to know if you think it will answer that purpose. It is for small pieces, and the material that they are pressed from is in a plastic state. Please answer immediately, and oblige

Yours truly,

THOMAS A. EDISON

By

October 15 1889

Geo. A. Hopkins Esq.
New York.

My dear Sir,

With many thanks I acknowledge the receipt of your work on Experimental Science.

Permit me to say that [redacted] the practical character of the Physical Apparatus, the clearness of the descriptive matter and its entire freedom from mathematics, gives the work a value in my mind superior to any other work on Elementary Physics of which I am aware.

Yours very truly
[redacted]
Thomas A. Edison

Oct. 21, 89.

Edward D. Adams, Esq.,

Messrs. Winslow, Lanier & Co.,

New York City.

Dear Mr. Adams,-

I have received your letter of 16th instant, accompanied by a map of Buffalo. This map does not give me the information which I wish to obtain. I have a sufficiently accurate idea of the total amount of power which is used in Buffalo, and what I now want to find out is, how this power is distributed - that is, the location and size of the various units. I think I could get this from an insurance map, if you will obtain one for me. In making a business plan, it is necessary for me to have commercial data.

Yours truly,

Thos. A. Edison

Oct. 21, 80.

Philip S. Dyer, Esq.,

A n t w e r p, Belgium.

Dear Sir:-

Mr. Edison has received your letter of 8th instant, enclosing a list of questions asked by Mr. J. Obozinsky. He says that he cannot work this class of ore with a machine similar to the one at the Paris Exposition, but he has another machine by which he could take all the iron out of this ore by heating it slightly after it is reduced to powder. I will write you further upon the matter when the sample which you have already shipped reaches us.

Yours truly,

Private Secretary.

Oct. 21, 1889.

Elliott Coues, Esq.,

1726 N. Street, Washington,

D. C.

Dear Sir:-

The statement made in the clipping from the NEW YORK TRIBUNE, enclosed with your letter of 16th instant, to the effect that Mr. Edison is a member of the Aryan Theosophical Society, is not true.

Very truly yours,

Private Secretary.

Oct. 21, 1889.

Messrs. Weyher & Richemond,

50 Route d'Aubervilliers,

Pantin (Seine) France.

Dear Sirs:-

I have confirmed elsewhere my telegram to you under date 18th instant, accepting proposition contained in your letter under date September 10th. I now beg to confirm your reply as follows:

> "Faisons immediatement dessins modeles photographies livrerions machine (300) chevaux triple expansion D exposition fin Novembre Havre garante cinq mille francs condenseur complet huit mille francs. WEYHER."

This message seems to have been somewhat mutilated in transmission. I understand from it that you will make immediately drawings, models and photographs, and that you can deliver a 300 horse power triple expansion engine at Havre for the sum of forty-five thousand francs, and condenser for [illegible] Kindly correct me if this interpretation is imperfect.

I believe that I shall be instrumental in obtaining for you

W. & R.

-2-

a few good orders for engines in London.

In regard to payment for the drawings and models which you are preparing for me in accordance with your letter above referred to, you may draw upon me at any time in payment for these on Drexel, Morgan & Co., New York City through Messrs. Drexel, Harjes & Co., Paris.

Very truly yours,

Thomas A. Edison

I will let you know in a day or two whether I require the 300 H.P. engine and condenser.

T.A.E.

Oct. 21, 89.

Eugene Crowell, Esq.,

#14 West 34th Street,

New York City.

Dear Sir:-

Replying to your letter of 14th instant, I do not understand how any of the interviews with myself could have given any one the impression that there was danger connected with low tension currents employed for electric lighting. In all these interviews I have simply contrasted high and low tension systems. The most complete interview you will doubtless have seen in yesterday's WORLD.

Yours truly,

Thomas A. Edison

Oct. 21, 89.

Thomas W. Knox, Esq., Secretary,

Lotos Club,

New York City.

Dear Sir:-

Mr. Edison has received your letter of 18th instant, in which you ask if it would be agreeable for him to accept the hospitality of the Lotos Club on the 23rd November. He desires me to say in reply that it will give him great pleasure to accept this very kind invitation.

Yours truly,

Private Secretary.

Oct. 21, 80.

Messrs. Dyer & Seely,

New York City.

Dear Sirs:-

With reference to the form of assignment which I forwarded you the other day of certain patents of Mr. Edison to the Australian Electric Light, Power & Storage Co., L'td., will you kindly send the document over to Major Eaton, to whom I have written on the subject. Also, kindly send Major Eaton Mr. Coxton's letter.

Yours truly,

Private Secretary.

Oct. 21, 89.

Major S. B. Eaton,

120 Broadway, New York City,

D e a r S i r :-

Messrs. Dyer & Seely will send you, at my request, a form of assignment of certain of Mr. Edison's patents to the Australian Electric Light, Power & Storage Co., L'td. This document was forwarded to Mr. Coster, whose letter on the subject will accompany it, and after the receipt of which Mr. Edison executed the assignment. I believe that the legal representatives of the Australian people in London, Messrs. Waterhouse, Winterbotham & Harrison, are anxious to receive this assignment, and it now only remains for you to pass final judgment upon their right to the patents in question in accordance with the agreement entered into between that Company and Mr. Edison, copies of which you can obtain from Mr. Coster.

Very truly yours,

Private Secretary.

Oct 21 1929

My dear Mr Ford—

I have received your letter of 18th instant inviting me to dine with you at the Furniture Club on Thursday, October 24th and regret exceedingly that a previous engagement prevents my acceptance of this kind invitation.

Very truly Yours

Thomas A. Edison.

Oct. 21, 89.

The Edison Phonograph Toy Mf'g. Company,

95 Milk St., Boston, Mass.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"I understand that the election of Mr. Benjamin F. Stevens to the office of President is desired by a number of those interested in your Company, and I desire to say that it would give me great personal satisfaction if Mr. Stevens were to be elected to this office."

Very truly yours,

Thos. A. Edison

Oct. 21, 82.

Daniel Wild, Esq., Sec'y.,

Edison Phonograph Toy M'f'g Co.,

35 Milk St., Boston, Mass.

Dear Sir.-

I have your letter of 19th instant informing me that at the annual meeting of your Company held at Portland Oct. 17th, I was elected a Director. This letter is to indicate my acceptance of this office.

Very truly yours,

Oct. 21, 89.

My Dear Mr. Stevens,-

I have your letter of 20th instant. I presume that the business to be transacted at the meeting of directors of the Toy Phonograph Company on Wednesday next will be simply the election of officers. I handed your letter under reply to Mr. Edison, and he asked me to telegraph the Company to the effect that it would give him great personal satisfaction if you were elected to the office of President, which I have done this afternoon. Kindly let me know when you will be in New York, and if you have not an opportunity to come out to the Laboratory. I will go and see you.

Very truly yours,

E. Stevens, Esq.,
New England Mutual Life Ins. Co.,
Boston, Mass.

Oct. 21, 89.

Samuel Insull, Esq.,

42 Wall St., New York.

Dear Sir:-

Referring to the attached correspondence, which Mr. Edison has read, the latter agrees with you that it would not be at all to the interest of our business to send complete details of our machines to educational institutions.

Yours truly,

Edison Phono Co.

Oct. 21/89

E. Merck
Newport
N.J.

Dear Sir.

You without misunderstand me, all I want is a duplicate of the bill of Chloride of Zinc which we returned April 1889 and for which you sent a credit invoice the same month.

We have a statement up to Oct 1/89

Please send duplicate immediately

Obliging Yours truly
Thos. A. Edison
per

Oct 21/89

Received Thirty dollars accrueding my invoice receipted Eighth June price & to return wrong and no royalty provided for

Oct. 24, 80.

N. E. Smith, Esq., C. T. D.,

New York, New Haven & Hartford R. R. Co.,

New Haven, Conn.

Dear Sir:-

Mr. Edison received your phonogram in good condition, and at his request I am sending you by this mail, under another cover, copy of our "Inspector's Hand Book for the Phonograph," containing suggestions in regard to the operation of the instrument &c., &c. By following the instructions contained in this little book you will be able to obtain the best results from the phonograph, and perhaps be able to do away with the hard scraping sound of which you complain in your phonogram.

Referring to your letter of 21st instant addressed to myself, Mr. Edison is at present experimenting with the phonoplex, with the view of improving the system. When he has concluded his experiments I will communicate with you, and I hope then to be able to overcome all the difficulties which you mention.

Yours truly,

Private Secretary.

Oct. 24, 89.

Messrs. Wasmansdorff & Heinemann,

C h i c a g o , Ills.

Dear Sirs:-

Mr. Edison has read your letter of 9th instant, and has asked me to thank you for the same. He believes that the establishment of an institution of the kind which you mention would be appreciated by the American public and that it would be a success. His experimental work, however, absorbs so much of his time, it would be impracticable for him to give the matter much attention.

Yours truly,

Private Secretary.

Oct. 24, 89.

A. B. Dick Company,

32 Liberty Street,

New York City.

Dear Sirs-

In reply to your letter of 19th inst., we have succeeded in getting very good results from the type-writer attachment of the Mimeograph recently received from you, and do not think it will be necessary for your Mr. Howlson to visit the Laboratory. Thanking you for your kindness

We are, yours truly,

Edison Laboratory

by

Secretary.

Oct. 24, 89.

Thomas B. Connery, Esq.,

c/o United States Legation,

City of Mexico.

Dear Sir:-

I beg to confirm receipt of the following telegram signed "Connery-Fox," addressed to Mr. Edison, and received 19th instant:-

"Concession beyond doubt. Express instantly treadle machine complete. Congratulations."

The treadle machine was shipped to you 22nd instant.

Yours truly,

Private Secretary.

Oct. 24, 89.

H. A. Tuttle, Esq., Gen'l. Sup't.,

North American Tel. Company,

Minneapolis, Minn.

Dear Sir:-

Your letter of 16th instant has been duly received.

Mr. Edison is at present experimenting with the phonoplex, with the view of giving us 50 miles extra on a straight circuit; he is also getting up a repeater for us, which will make the distance over which we can operate practically unlimited. We expect that these experiments will be finished in the course of a couple of weeks, and as your circuit is so long as to make it doubtful whether we could operate it successfully, we think it would be very much better to defer Mr. Logue's visit to you until Mr. Edison had finished his work. We would then be able to take hold of the matter with every prospect of carrying it through successfully. This in our opinion is preferable to commencing now with every probability of encountering difficulties which we would be unable to overcome.

Very truly yours

EDISON PHONOPLEX SYSTEM OF TELEGRAPHY

By Electrician.

Notes page 241

Oct. 24, 89.

E. M. Sperry, Esq., Associate Editor,

Atlantic Publishing & Engraving Co.,

49 & 51 Chambers St., New York.

Dear Sir:-

I beg to advise you that Mr. Edison does not desire his picture to appear in the "Encyclopaedia of Contemporary Biography of New York," which your Company is now publishing.

I will revise the sketch of Mr. Edison's life that you left at the Laboratory, and send it to you in the course of a few days.

Very truly yours,

Private Secretary.

Oct. 24, 89.

H. M. Hobby, Esq.,

#718 Broadway,

New York City.

Dear Sir:-

I beg to advise you that Mr. Edison's check for $50.00 on account of tickets for New York Telegraph Operators Reception, was duly forwarded to Mr. E. H. Lane on the 15th instant, and we are in possession of the N. Y. Telegraph Operators' receipt for same, signed per E. H. Lane.

Very truly yours,

Private Secretary.

Oct. 24, 88.

Edison Phonograph Works,

Orange, N. J.

Dear Sirs:-

We this morning transmitted to you by telephone the following cablegram which was received from Mr. Ramser, Paris, 22nd instant:-

"Send fifty knives, forty recorder points, fifty reproducer diaphragms."

Yours truly,

EDISON LABORATORY

By

Secretary.

See page 248

Oct. 24, 89.

W. J. Hammer, Esq.,

P a r i s, France.

Dear Sir:-

I beg to confirm receipt of the following cablegram received from you 22nd instant:-

"Send fifty knives, forty recorder points, fifty reproducer diaphrgms."

Yours truly,

William Maver Jr.

Oct. 24, 89.

George E. Holbrook, Esq., President,
New York Telegraphers' Club,
195 Broadway, New York.

Dear Sir:-

Mr. Edison has received your telegram of 22nd instant, asking when it would be convenient for him to grant an interview to yourself and Vice-President.

Since his return from abroad Mr. Edison has been very busy disposing of work that accumulated during his absence, and he has been compelled to deny himself to everyone. Besides, just at present he is not feeling very well and is considerably under the weather. Under these circumstances he regrets that he cannot now name a day when it would be convenient for him to see yourself and Vice-President. He desires me to say, however, that as soon as he feels well he will let you know and will then make an appointment.

Yours truly,

Private Secretary.

Oct. 24, 89.

Messrs. George L. English & Co.,

1512 Chestnut St., Philadelphia, Pa.

Dear Sirs-

With reference to your letter of 21st instant, just at present Mr. Edison is very busy and he has not time to consider the matter of purchasing Mr. Kunz's Collection. He would be very pleased, however, to receive a detailed description of it, which he would examine at the first opportunity.

Yours truly,

Private Secretary.

Oct. 24, 89.

Mr. H. A. Parry,

Metropolitan Museum of Art,

New York.

Dear Sir:-

In reply to your letter of 21st instant addressed to Mr. Edison, asking if electricity can actually be stored, would say that an electric current is passed through a storage battery for the purpose of charging it. It produces in the battery a chemical action or state which afterwards results in a flow of electricity through the battery. The electricity is not actually stored, but the practical effect is the same as though it were.

Yours truly,

Private Secretary.

Oct. 24, 1889.

Mr. Harry Frazier,

504 Hancock Street,

Brooklyn, N. Y.

Dear Sir:-

Mr. Edison has read your letter of 22nd instant, and he has instructed me to place your name on the Laboratory pay roll, for the next six months, at the rate of Six Dollars per week, commencing Saturday next, October 26th. This amount will be forwarded to you every Saturday, and if you should change your present address, please advise us, so that the money may not miscarry.

Very truly yours,

Private Secretary.

Oct. 25, 89.

H. M. Livor, Esq., Gen'l. Manager,

New Jersey & Pennsylvania Concentrating Works,

19 Dey St., New York City.

Dear Sir:-

Your letter of 24th instant, enclosing papers relating to the purchase of the Benfield Iron Ore property, has been duly received, and I am returning you herewith letters from Eaton and Lewis and Mr. H. W. Bland. The contracts, which were duly signed by Mr. Edison and acknowledged before Notary Public, I have sent by special messenger to the County Clerk at Newark, for the purpose of having him certify to the Notary's signature, and as soon as the documents are completed, the messenger will proceed to New York and deliver them to yourself. You will have become possessed of them before this letter reaches you.

Yours truly,

Private Secretary.

Oct. 25, 1889.

Dear Sir John,-

During the past few weeks there has been considerable discussion in the American press on the dangers of high tension currents, and knowing that you are interested in the subject, Mr. Edison has asked me to forward to you extracts from the daily papers bearing upon the above subject. These I am sending under separate cover, and trust they will reach you safely.

Very truly yours,

Private Secretary.

Sir John Pender,
Eastern Telegraph Co.,
Winchester House, 11 Old Broad St.,
London, England.

Oct. 25, 89.

Mr. Philip S. Dyer,

Antwerp, Belgium.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

DYER, ANVERS. October, 25, 1889.

"Hope Lalande is paid up. Reply."

Yours truly,

Received cable from Dyer Oct 25 89 in reply to the above
Yes

Oct. 25, 89.

Gustave Stromberg, Esq.,

Westman Furnace Co., 31 Broad St.,

New York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Mr. Edison will be glad to see yourself and Mr. Westman to-day, to-morrow or Monday."

Yours truly,

Private Secretary.

Oct. 24, 89.

J. Rowland Mix, Esq., Treas'r.,

Orange Mendelssohn Union,

Orange, N. J.

Dear Sir:-

I enclose herewith check to your order for $12.00, amount of annual dues as Associate Member of the Orange Mendelssohn Union.

Yours truly,

Oct. 25, 89.

Mr. James F. Kelly,

19 Dey St., New York.

Dear Sir:-

As a preliminary to the preparation of a catalogue of the new batteries which the Edison Manufacturing Company is about to place on the market, I desire to obtain copies of all the catalogues which are issued relative to batteries already in the market, and most of which I believe can be found in New York. As soon as possible will you kindly collect these and forward them to me at the above address. We are anxious to start this battery business at the earliest possible moment.

Yours truly,

Oct. 24, 1889.

W. McM. Speer, Esq., Secretary,

The Committee for the International Exposition of 1892,

Mayor's Office, City Hall, New York City.

Dear Sir:-

I enclose herewith check to your order for the sum of $537.63, in payment of my proportion of the $100,000 to be subscribed by the members of the General Committee for the International Exposition of 1892. Kindly acknowledge receipt of same, and oblige

Yours truly,

Oct. 25, 80.

H. M. Livor, Esq.,
19 Dey St., New York.

Dear Sir:-

Mr. Edison has read your letter of 24th instant, in regard to some experiments which you made recently at Bechtellsville, and he has noted the results obtained. He says that he will speak to you himself in regard to this.

Yours truly,

Private Sec'y.

Oct. 25, 1889.

Messrs. Dyer & Seely,
40 Wall Street,
New York.

Dear Sirs:-

I enclose herewith check to your order for $1,500, on account of bills rendered by yourselves against the Edison Phonograph Company.

Yours truly,

A. E. Tate

Treasurer.

A.

Oct. 26, 1890.

C. E. Speirs, Esq.,

Van Nostrand Company,

23 Murray St., New York City.

Dear Sir:-

I want a chart of the Niagara River from Buffalo to the Falls, giving information in detail about the width and depth of the river, speed of flow, geological and mineralogical formation of the banks &c., &c. Please inform me as soon as possible as to the price of maps and books which you can furnish on this subject.

Yours truly,

Oct. 26, 89.

My Dear Dick,-

I am sorry that I have been unable to make a settlement of your account by to-day, as you desired. It involves an arrangement with the Edison Phonograph Works which is just about perfected and which will not delay the matter very much longer. You can feel assured that I will push it through with all possible speed.

In talking with Mr. Edison the other day about our foreign business, he mentioned the Mimeograph, and in the course of conversation asked me about the sales over there and what I considered the royalties would amount to. I asked him if he had any understanding with you in regard to royalties, and he said that the general arrangement under which you were selling machines covered the foreign as well as the domestic business. Thereupon I dropped the subject, so that I might have an opportunity of consulting you and relieving an impression which I had formed but which I did not wish to communicate to Mr. Edison without further investigation. You will remember that you and I had some little conversation with regard to Mr. Edison's royalty on Mimeographs sold abroad, while we were in Europe, but we did not pursue the matter very far.

Will you kindly inform me if Mr. Edison's account is being credited with royalty on your foreign sales, the same as on sales in this country, and very much obliged

Very truly yours.

Private Secretary.

A. B. Dick, Esq.,

Chicago, Ills.

Oct. 28, 89.

Edward W. Clark,

31 Wells St., Hartford,

Conn.

Dear Sir:-

Please furnish to us immediately, one (1) Rubber Tube and Insulation machine, as shown to our Mr. Batchelor last week at your factory in Hartford. The machine is to be complete, without dies, at $300 net. Let us know when shipment will be made, and how.

Very truly yours,

THOS. A. EDISON,

per

Batchelor

Oct. 28, 1889.

Messrs. E. T. Burrowes & Co.,

P o r t l a n d , Maine.

PHONOGRAPH DICTATION

Dear Sirs:-

With reference to your letter of 7th instant addressed to Mr. Edison, reply to which has been delayed owing to absence of the latter in Europe, I beg to inform you that I am sending you by this mail, under another cover, photograph of Mr. Edison's house, in accordance with your request.

Mr. Edison says that the screens in his house, supplied by your firm, are entirely satisfactory.

Yours truly,

Private Secretary.

Oct. 28/89

W. J. Hammer Esq.

Dear Sir.

I beg to notify you of the following shipment made Oct. 28th/89 by mail viz:—

50 Cutting off Knives
40 Recorder Points
50 Reproducer Diaphragms

Yours truly
T. A. Edison
Mller.

Oct. 29 189

Col. Geo. E. Gouraud Esq.
Edisons House B.
Northumberland Ave.
London
Dear Sir

I beg to notify you of the following shipment to:-
Carlos Monteiro & Souza
Rio de Janeiro
Brazil

per S.S. "Salembria" W.I. & Brazil S.S. Co leaving Oct. 31st, 1889:-

72 Zincs
72 Carbons
36 Recorder Points
36 Knives
12 Recorder Diaphragms
12 Reproducer do
100 Phono. Blanks
12 Recorder Diaphragm Cushions
12 Reproducer do do

Yours truly
Thos. A. Edison
MW

Oct. 29 189

Carlos Monteiro & Souza
Rio de Janeiro
Brazil
Dear Sir

I beg to notify you of the following shipment per S.S. "Salembria" W.I. & Brazil S.S. Co sailing 31st inst.

72 Zincs
72 Carbons
36 Recorder Points
36 Knives
12 Recorder Diaphragms
12 Reproducer "
100 Phono. Blanks.
12 Record. Diaph. Cushions
12 Reproducer. "

Yours truly
Thos. A. Edison
MW

[TO SIR RICHARD E. WEBSTER]

Oct 29th 1889

My dear Sir Richard

Your letter of August 29th reached me at Paris, I intended to have replied, but afterwards thought I would see you personally in England, but failed owing to the short stay, being frightened away by proposed banquets which are to me exquisite torture being deaf and timid.

Permit me to thank you for the kind expressions in your letter, and to express to you my admiration for your peculiar and great natural ability in a branch where I have absolutely none.

Yours truly

Thomas A Edison

Friend Vallard.

Was talking with local street car Supt today who has just returned from Street Car Convention at Minneapolis — He says general opinion is that Thompson/Houston is far superior to Sprague — also that Richmond Round gives Sprague Co Very hard repetition, and 3rdly they are all down on overhead wire system, 4thly Electric System increased traffic 33 per cent on majority roads + of it made no saving this 33pt (must) cannot show

Yours
Edison

Oct. 29, 89.

John H. Harjes, Esq.,

Messrs. Drexel, Morgan & Co.,

New York City.

My Dear Sir:-

Mr. Edison has received your letter of 28th instant, and in reply desires me to say that both Mrs. Edison and himself will be very pleased to see you on Thursday afternoon, as you suggest. When you reach Orange, please call at the Laboratory before proceeding to Mr. Edison's house.

Very truly yours,

Private Secretary.

Oct. 29, 89.

J. W. Lattig, Esq., Sup't. Tel.,

Lehigh Valley R. R. Company,

South Bethlehem, Pa.

Dear Sir:-

I have your telegram asking me to forward you one of our phonograph batteries, which I presume you desire to use on your phonoplex circuit.

This battery is going to supply a want which has been very manifest in connection with the operation of the phonoplex system of telegraphy.

I put 12 cells on one of our circuits at Altoona on the lines of the Pennsylvania Railroad. They were set up on the 6th of September last and are running yet. On the 4th October they gave 9 1/4 volts, and on the 20th 9 1/2 volts. Since this battery was set up, Mr. Edison has found that its life is greatly increased by covering the surface of the solution with oil. Mr. Lepine, who is at Altoona, oiled the battery yesterday and reports it is now giving 10 volts. I do not know what the full term of the life of this battery will be. Mr. Edison thinks we can get six months out of it, and he can make a cell larger than the one we use at present

that will run for a year without being touched. There is not the least doubt that this battery is the best one that has ever been made, and I am going to start in and try and displace all other forms of cell which are now used for telephone, telegraph, signalling and motor work. We have had 8 cells in the office of the Gold & Stock Tel. Co., running one of their motors, and which displaced a battery that had to be renewed every other day. These people have taken five hours per day out of our cells for twenty-two consecutive days, and the battery is still running and doing their work. The cells such as you will receive, have a capacity of 300 ampere hours, while the wires have a capacity of 600 ampere hours. I am setting up in Jersey City 50 cells to do the work of a gravity battery and will keep you advised of the result of this and other tests which I propose making. After a while I want to talk with you about displacing some batteries on your wires.

Very truly yours,

Electrician.

Oct. 29, 89.

Colorado & Utah Phonograph Co.,

D e n v e r , Colo.

Dear Sirs:-

The North American Phonograph Co. has handed us a copy of your letter to them, in regard to batteries, under date July 22nd. This date appears to be an error, either of the No. Am. Phono. Co. or of yours, as your communication must have been written some time during the present month.

We regret exceedingly that you should have had so much trouble with the battery sent you from here, and it is our intention to take immediate steps to satisfy you in respect to power for your motor phonographs. We will send you towards the latter end of the week a new battery, which we have recently remodeled, together with full instructions for setting the same up, and we are sure that you will have no difficulty this time. The writer has had one of these batteries in his office, working a phonograph, since the 24th of September last. On the 6th of September we set up 12 cells on one of our phonoplex circuits, on the lines of the Pennsylvania Railroad, at Altoona, which have been in daily use since then and

they are still running as effectively as when first installed. We sent 8 cells to the office of the Gold & Stock Tel. Co., in New York, to run one of their motors, displacing a battery which required renewal every other day. These people have taken five hours a day out of our cells for 23 consecutive days up to the present time, and the battery is still running.

Very truly yours,

Edison Storage Battery Co.

P. S. We understand thoroughly the cause of the trouble, of which you complain, and have remedied it in these later cells.

Oct. 26, 89.

Dr. Werner Seimens,

B e r l i n, Germany.

Dear Sir:-

I take pleasure in complying with your request for information concerning the graphophone.

This instrument is a modification of the phonograph. Apart from details of design, the only claim to originality and the only claim covering a broad principle, embodied in the patents on the machine, is that of cutting a record upon a revolving surface such as wax by means of a knife or cutting tool. It is claimed by the promoters of the graphophone that the methods of recording sound vibrations described and illustrated in the various patents both domestic and foreign on the phonograph, anticipate only the process of indenting, or in other words, a recording surface broken only by the effect of sound waves upon a diaphragm carrying a stylus, as contra-distinguished from a method by which a revolving recording surface is continuously cut or ploughed by a knife or cutting tool attached to the centre of a diaphragm, and the sound waves recorded at the bottom of the furrow thus produced. As I

have stated, the graphophone people claim originality in the latter method, and patents upon the same have been issued to them here and in a few foreign countries.

In the specifications of my British patent of 1878 on the phonograph, and in the Laboratory records of the early experiments which I conducted upon this machine, various methods of recording are described and illustrated in a way which clearly show that the idea of cutting a revolving surface before and when recording was not only anticipated but actually practised by myself, and reference is had to my experiments with waxes, paraffine and resin, and combinations of these, which, owing to the form and general construction of the machine at that time used, were displaced and preference given to a metallic surface, such as tinfoil.

In the issue of "LA NATURE," published by Tissandier, of Paris, under date May 3rd, 1879, is an article relative to a phonograph made by M. Lambrigot, in which he describes a method of replacing the point of the Edison phonograph by a blade of steel in the form of a knife and cutting a record in stearine wax - clearly an anticipation of the method which the graphophone people claim as original in their instrument. This is the fundamental patent on their machine, and it is worthless. The authorities of the United States Patent Office were unaware of the existence of the Lambrigot article and machine when they granted the claim, and

fail also to review my British specifications. The remaining graphophone patents cover the details of their imperfectly constructed machine.

The patents which I have myself taken out upon the phonograph throughout the world during the past three years are fundamental in character, for the reason that they control absolutely all methods by which perfect articulation and a faithful reproduction of the more delicate sounds can be attained. Since my return from Europe I have made further improvement upon the phonograph by which all of the adjustments and one-half of the "spectacle" are done away with, and the instrument rendered automatic throughout, while maintaining all of its former capabilities with which you became partially familiar during my very pleasant visit with you in Berlin.

With respect to the commercial status of the graphophone, the rights to the instrument in the United States and Canada are vested in the American Graphophone Company. This Company some time ago effected an arrangement whereby Mr. Jesse H. Lippincott became its sole licensee. Mr. Lippincott, subsequent to the arrangement mentioned purchased from myself and my associates the whole of the capital stock of the Edison Phonograph Company (which controls the phonograph in Canada and the United States), I retaining the manufacturing rights, and thereby became possessed of the right to

merchandize both instruments, the graphophone and the phonograph, in the territory named above, the various agreements providing amongst other things that there should be no discrimination in the matter of sale - that is, that both machines should be offered to the public without favor to either, so that the public should become the sole arbiter of the respective merits of the two instruments. This course has been pursued for nearly a year by the thirty odd sub-companies which have been formed in the various States. A few hundred graphophones were placed in the hands of the public and served but to demonstrate the utter impracticability of the machine as a commercial instrument. In its operation the hissing sounds represented by the letter "S" and the explodents are entirely lost, the result being an imperfect and incomplete reproduction of articulation, and the consequent mutilation of any record entrusted to the machine. The annoyance and inconvenience this caused was so great that customers of the different Companies have everywhere returned their graphophones and replaced them with phonographs. This is an accurate statement of facts which goes further than anything else to prove the uselessness of the graphophone for other than purely speculative purposes.

Some few months since a New York Syndicate arranged for the control of the graphophone in Foreign countries. This movement was suggested and stimulated by the reports which came from abroad

of the great public interest which had been excited in the phonograph, a circumstance which favored speculation. Representatives of this graphophone syndicate were sent abroad and by threats and misrepresentation attempted to force an alliance with the phonograph. This I would not permit, first because the graphophone itself represents no value as a commercial article, and secondly, because I have no desire to assist a purely speculative enterprise by lending whatever aid my name and connection might bring. Failing thus to secure my co-operation, this syndicate will without doubt attempt to draw money from the public abroad. I know that they are continuing their systematic misrepresentation with respect to their patents and the commercial value of their instrument as developed in this country, which however deplorable is perhaps not surprising, as a statement of facts approaching accuracy would mean the failure of their speculation, which will succeed to the same extent as they are successful in deceiving the public.

Yours very truly,

Thomas A. Edison

Oct. 28, 1889.

Victor Ogar d'Elbose,
Le President General,

Academia Politecnica Universal,

B a r c e l o n a , Spain.

D e a r S i r :-

Mr. Edison has asked me to acknowledge the receipt of your esteemed favor under date 23rd September, informing him that he has been elected by "le Conseil Superieur" of your Academy, "President d'Honneur du Comité de Patronage International de l'Academie Polytechnique Universelle," and to signify to you his acceptance of the same. Mr. Edison also desires me to thank you on his behalf for the honor thus conferred upon him.

Very truly yours,

Private Secretary.

Oct. 29, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

My Dear Sir:-

Replying to your various communications, in regard to the slipping of phonograms, we found before your complaints reached us, that one of our workmen had used a mandril of improper size in reaming a lot of grams, part of which went to you and caused the trouble to which you refer. Some of these grams were sent out here, with exactly the same result. I am very sorry that this should have occurred, but you will be glad to know that the trouble was the result of an error of this nature rather than the result of any serious defect in methods of manufacture.

Very truly yours,

Oct. 30, 1889.

J. H. Herrick, Esq.,

Edison Gen'l. Electric Company,

New York City.

Dear Sir:-

In reference to the attached correspondence relative to the alternating system of Mr. Elmer A. Sperry, my opinion is that what the Edison General Electric Company requires, is an alternating system which will follow as closely as possible the model of the Westinghouse system. The policy of our Company is to offer to the public alternating apparatus so like the Westinghouse in every respect that they cannot deceive the public by referring to the points of difference in our system as weaknesses and the basis and cause of our condemnation of that method of electric lighting. In other words, if our apparatus differs materially from the Westinghouse, it will simply mean competition between two alternating systems; whereas if we offer practically the same system as the Westinghouse people, our condemnation of our own apparatus would carry with it condemnation of theirs, for we are, of course, agreed that the Edison Company has no desire, and no

intention of actually selling alternating apparatus for electric lighting, if they can profitably avoid it.

Very truly yours,

Thomas A. Edison

Oct. 30, 89.

Samuel Insull, Esq.,

44 Wall Street,

New York City.

Dear Sir:-

In a letter which we have received from the Secretary of the Edison Phonograph Toy M'f'g. Co., under date 26th instant, he says: "We are anxiously awaiting the receipt of the model talking machines from you." Mr. Batchelor says that this is the first intimation he has received of their desire for model talking machines, in addition to the one which was delivered to them by yourself, and he wants to know if you received from them any order for the same. We have received no instructions from the Toy Phono. Co. in regard to making model machines and are not working on any.

Yours truly,

Oct. 30, 1889.

Lloyd Bryce, Esq.,

The North American Review,

3 E. 14th St., New York.

My Dear Sir:-

Mr. Edison asked me to acknowledge the receipt of your kind letter of 29th instant, enclosing check of $100 for copyright of article, "Dangers of Electric Lighting," which appears in your November number, and wishes me to offer you his thanks for your kind expressions of appreciation.

Very truly yours,

Private Secretary.

Oct. 30, 1889.

My Dear Dick,-

I am very much obliged for your letter of 28th instant, in regard to Mr. Edison's royalties on mimeographs sold abroad. I understood before interrogating you in this matter that Mr. Edison had no rights in the shape of patents to transfer to your Company, but that is a matter which does not enter into a consideration of the relations between Mr. Edison and yourselves. The agreement between Thomas A. Edison and the A. B. Dick Company, under date 27th day of June, 1887, in the first section provides: "the party of the first part (Edison) hereby grants and hereby "licenses and empowers the party of the second part and its suc- "cessors and assigns, the sole and exclusive right for the term "hereinafter stated, to manufacture and to grant to others the "right to manufacture, subject to the conditions hereinafter named, "apparatus for preparing Autographic Stencils for printing, as "covered by said Letters Patent, and to sell and grant to others "the right to sell the same within the United States, but not for "export to other countries."

It would appear from this that the limitation of your business to the United States is one of the conditions of the grant of your original license, and that this condition is at the present time being violated by your Company.

I would have pointed this out in my previous letter to you, but the same was written without reference on my part to the contract between your Company and Mr. Edison. It is a matter which you yourself have apparently overlooked, and I call your attention particularly to it, for the reason that it seems to me to be very important to the incorporated interests which you represent that your business should be conducted in accordance with the existing records of the rights possessed by the A. B. Dick Company.

Very truly yours,

Private Secretary.

A. B. Dick, Esq.,

Chicago, Ills.

Oct. 30, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

NOSIDE, N. Y. October 28, 1889.

"Has Denmark shipment left? Mail here 280 knives."

NOSIDE, N. Y. October 30, 1889.

"What goods have you sent LYDIAN MONARCH?

GOURAUD, NORWOOD. October 30, 1889.

"Denmark November second. Knives mailed to-day. Nothing by Lydian Monarch. Edison."

Yours truly,

Oct. 30, 89.

Edison Phonograph Toy M'f'g. Co.,

95 Milk Street, Boston, Mass.

Dear Sirs:-

I beg to confirm the following telegram sent you to-day:-

"Cable Allien express to us immediately two sets of doll parts complete with rubbers on. Let us know when we shall get them. Also send us Allien's cable address."

Yours truly,

Oct. 31, 80.

Col. George E. Gouraud,

Little Monlo, Upper Norwood, Surrey,

England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

THOS. A. EDISON. London, Oct. 25, 1880.

"After three weeks negotiation powerful syndicate Berlin bankers probably including Siemens offer immediate cash bonus fifty thousand pounds for half cash and shares they get for us from German public companies they will form on terms of your approval I advise accepting Committee leave to-morrow answer quickly."

GOURAUD, NORWOOD. Oct. 25, 1880.

"Is it for Germany only? Is Siemens certainly in it? Is graphophone mixed with it? Edison."

EDISON, ORANGE. London, October 26th, 1880.

"Only German; no graph. Siemens certain if can make for German Company on terms of your approval; don't hesitate."

Col. G. E. G.

-2-

GOURAUD, NORWOOD.

October 27, 1889.

"If Siemens manufacture and Company agrees adopt American standards, making no change for ten years without my approval, sell only in Germany, incorporate same phonograph, form no connection with graphone, no deductions from my proportion as my expense outside Factory investment already double yours and if I net two-fifths of all present and subsequent gross receipts of transaction and satisfactory contract drawn think I would have no objection.

E D I S O N."

Very truly yours,

October 30th, 1889.

Geo. E. Gourand Esq.
Edison House "B"
Northumberland Ave.
London, Eng.

Dear Sir

I beg to notify you of the following shipment to Jottfried M. Rubben Esq. Copenhagen, Denmark. per S.S. "Island" Thingvalla Line sailing Nov. 2nd 1889:

Thirty (30)	Phonographs	"H"
Nineteen (19)	"	"D"
Six (6)	"	"E"
Ten	Batteries old (10)	
Five	" new # 1 (5)	
60	Copper Plates.	
60	Zincs	
144	Sticks of Soda	
120	Carbons	
120	Zincs (Wedge Style)	
1000	Phono Blanks (Wolva)	
5	Inspection Hand Books	

Supplies and Sundries for three months

3 Recorders and 3 Reproducers.
25 sets of Diaphragms
5 - 100 Thread Nuts
10 sets of Belts "H" & "D"
10 " " Screws " "
5 " " Cushes 10 - Cutting of Knives
10 ea. Rec. & Rep. Points 10 ea. Mica Discs and Levers
10 Cam Plates. 5 sets Comm. Brushes
5 sets Gov. Brushes

36 Cases 10 Bbls.

Marks # 1000 to 1045

Weight 8503 lbs

Yours truly
Thos. A. Edison.
MC

October 30th 1889

Gottfried M. Kuhsen Esq.
Copenhagen
Denmark.

Dear Sir.

I beg to notify you of the following shipment per S.S. "Delaval" Thingvalla Line. sailing Nov. 2nd 1889 viz:-

Forty (30) Phonographs Style "M"
Fifteen (19) " " "J"
One (1) " " "E"

Ten old Batteries (10)
Five new " " (5)
60 Copper Plates
60 Zincs
1444 Steam Boilers
120 Carbons
120 Zincs (old)
1500 Phonog. Blanks (10 bbls.)
5 Inspiration Hand Bottles.

Supplies & Sundries for 3 months
3 Recorders & 3 Reproducers
25 lbs of Diaphragms
5 100 sheets Stubs
10 lbs of Bolts "M" & "J"
10 " of Screws " "
5 " Cutters - 10 Cutting off Knifes
10 each Rec & Rep. Points 10th Sliding Bars & Levers
10 Cam Plates, 5 lbs Comm. Brushes
5 lbs Hor. Brushes

All contained in 36 cases and ten barrels numbered from 1000 to 1045
Marked - E.M.K. Weight 8503 lbs

Yours truly
Thos. A. Edison
m.

Oct. 31, 80.

Mrs. A. W. Evans,

151 East 31st Street.

New York City.

Dear Madame, -

Mr. Edison has received your letter of 28th inst., and he has asked me to thank you for it.

The troubles which you complain of are fast being removed. Mr. Edison has just completed the model of a phonograph, requiring no adjusting of needles &c., &c., and having none of the objectionable features which you mention.

Very truly yours,

Private Secretary.

Oct. 31, 89.

W. S. Logue, Esq.,

Altoona, Pa.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"I have already arranged for test of soda battery on Morse wires Pa. R. R. between Jersey City and Philadelphia."

Yours t[illegible]

Electrician.

Oct. 31, 39.

Mr. John C. Hennessy,

Press Club, 116 Nassau St.,

New York.

Dear Sir:-

I have much pleasure in enclosing herewith Mr. Edison's check for $50.00, drawn to your order, his contribution to the fund which is being raised for Mr. Marvin R. Clark.

Very truly yours,

Private Secretary.

Oct 31st 1889

Geo E. Gourand Esq
Dear Sir

I enclose herewith a list of Phonographs and materials shipped to Fred Stieltjes & Co 7 & 9 Heizengracht, Amsterdam, Holland, per S S "Edam" Royal Netherlands Line sailing November 2nd 1889

Yours truly
Thos. A. Edison
M.

Oct 31/89

Fred Stieltjes & Co.
7 & 9 Heizengracht
Amsterdam
Holland
Dear Sirs:

I enclose herewith a list of Phonographs and materials shipped you per S S "Edam" Royal Nth. Line sailing Nov 2nd 1889.

Yours truly
Thos. A. Edison
mller.

361½

[illegible]

[illegible]

[illegible]

[illegible]

Oct. 31, 1889.

Francis R. Upton, Esq.,
Edison Lamp Company,
Harrison, N. J.

Dear Sir:-

Mr. Edison asks me to say to you that it will not be necessary to socket all our lamps with the new lamp tip. If you equip about ten per cent. of your daily output with the new tips, you can fill orders from these; while in case no orders are received the remaining lamps are good for our own trade.

Very truly yours,

Private Secretary.

Oct. 31, 89.

J. H. Merrick, Esq.,

Edison General Electric Co.,

New York City.

Dear Sir:-

In looking over Judge Andrews' decision, I observe that he makes the statement that the New York Board of Aldermen gave the U. S. Company and the Brush Company a franchise, and that the latter invested millions of money &c. Will you please obtain copy of the Resolution of the Board of Aldermen in 1880 or 1881, I think. If my memory serves me right, this resolution only authorizes the United States Company at least, to go underground - not overhead; hence, if they have invested all this money, they had no right to do so, and it may be found in looking over all the resolutions of the Board of Aldermen that the U. S. Company and perhaps the Brush Company have never been authorized to erect overhead wires in New York, and have no standing now in consequence. I am impressed with the idea that this is the case, so far as the United States Co. is concerned anyway.

Very truly yours,

Edwd. H. Robinson

Oct. 31, 89.

Edison Phonograph Works,

O r a n g e, N. J.

Dear Sirs:-

Have you ever rendered any bills for phonographs shipped to China and Japan? I have a letter from Everett Frazar, addressed to the Phonograph Works, asking for prices. Of course any prices quoted this concern must include Mr. Edison's royalty, and I trust that you have made no quotations.

Very truly yours,

Private Secretary.

Oct. 31, 89.

James F. Kelly, Esq.,

19 Dey Street,

New York.

My Dear Sir:-

I am very much obliged for your letter of 30th instant, enclosing data in regard to batteries. You omitted to enclose the circular of the Company which is operating a small plant on Lafayette Place.

On looking over the data which you have sent me, and in talking the matter over with our Mr. Kennelly, I have about concluded that a comparative test of these open circuit batteries with our battery is entirely unnecessary. The manufacturers of the former do not claim that their cells are good for closed circuit work of any character. The only cells which can compete with ours to any extent, are the gravity and various modifications of electropoin cells, the records of which are well known to all users of power of this description. I think if we give in our catalogue a description of the work which our battery is capable of doing, and back it up by testimonials, which I can obtain, from

the Pennsylvania Railway, the Gold & Stock people, and others, it will be all that is necessary; but before deciding finally, I should like to have an expression of opinion from yourself.

Very truly yours,

Private Secretary.

Oct. 31, 89.

John Kreusi, Esq.,
Edison Machine Works,
Schenectady, N. Y.

Dear Sir:-

In my verbal order to you of this morning, by telephone, and also in our regular order by mail, I told you to send us one No. 8 Commutator, with 13 blocks, and one Municipal No. 1 Commutator, with 75 blocks. I wish you would be kind enough to correct the number of blocks on both of them, and make the No. 8, 16 blocks, and the Municipal commutator, 96. Let us know by letter about this, so I may be sure you understand what is wanted.

Also send us as soon as possible, for armature winding, about 60 pounds of No. 17 Brown & Sharp wire .0453 diameter, and 50 pounds of No. 11 Brown & Sharp .091 diameter armature wire.

Don't forget to send that wire as soon as possible after forwarding the above.

Yours very truly,

Ohio Electric Works.

MF

Oct. 31, 80.

Gustave Strasburg, Esq.,

Western Furnace Company,

31 Broad St., New York.

My Dear Sir:-

Mr. Edison is anxious to know something about the furnace, and he would like if you would name a day when yourself and Mr. Westman can come out to the Laboratory and talk the matter over with him.

Very truly yours,

Private Secretary.

Oct. 31, 89.

Samuel Insull, Esq.,

44 Wall Street,

New York City.

Dear Sir:-

I enclose herewith an extract from the memorandum which I left with you before going to Europe, relative to Fraser & Co's proposed contract for the sale of the phonograph in China and Japan. Did you take any action in this matter, and if so, will you kindly advise me what has been done.

Yours very truly,

Private Secretary.

June 30, 1880.

E X T R A C T.

FRAZAR & CO'S CONTRACT FOR SALE OF PHONOS. IN CHINA AND JAPAN.

This matter was turned over to Major Eaton several months ago, at a time when he was loaded down with work in connection with the General Company and the Lippincott deal. He is ready to take it up now and complete the papers. The last time I discussed the matter with Mr. Edison, he said he wanted a royalty of $10 on each phonograph sold in these countries through Frazar & Co. I think it would be much better for you to readjust this and provide for Mr. Edison to have a certain percentage based upon the factory price of phonographs and supplies. Mr. Frazar happened to mention to me in his office a few days ago that his partners in China and Japan were considering the formation of a Company. I notified him, by letter, that his contract with his firm would not be assignable, and that the formation of a Company would have to be the subject of further negotiations between himself and Mr. Edison. Frazar has an agent (Churchill?) in China, and about 25 machines. Nothing has been billed to him, and we have given him no guarantee as to the price of phonographs. The whole matter can be shaped to suit present circumstances. You can handle it as though it had been gone up for adjustment at the present time, as there are no complications.

Oct. 31, 89.

W. S. Logue, Esq.,

Altoona, Pa.

Dear Sir:-

With reference to your letter of 30th instant, and also your telegram received to-day and confirmed elsewhere, would say that I have arranged with Mr. Ettinger to put up 80 cells in his office for test between New York and Philadelphia. This will perhaps give us a better test than we could get anywhere else on Pennsylvania Railroad on account of the moisture on wires crossing Newark flats.

Very truly yours,

Electrician.

Nov. 1, 1880.

Gustave Stromberg, Esq.,

Westman Furnace Company,

31 Broad Street, New York.

Dear Sir:-

I beg to confirm the following telegram sent you this morning:-

"Will be in your office about three o'clock."

Yours truly,

Nov. 1, 80.

Thomas W. Knox, Esq., Secretary,

The Lotos Club,

New York City.

Dear Sir:-

Just before the receipt of your letter of 30th ultimo, stating that the Directory of the Lotos Club desires Mr. Edison to name two gentlemen whom he would be pleased to have invited to meet him at the proposed dinner on November 22nd, I had been requested by Mr. Edison to address a communication to you, intimating you that he would be obliged to leave town about the middle of the present month to be absent until some time in December. The business which takes Mr. Edison away was not anticipated when he accepted the very kind invitation which your Club has extended to him, and it is of such importance that it cannot well be postponed. He appreciates very highly the courtesy and generosity which prompted the action of your Club in this connection, and deeply regrets the unforeseen circumstance referred to above.

Very truly yours,

Private Sec'y.

Nov 4th 89.

Howard Norwood
North American Company report
about eleven hundred graphs
and twenty-five hundred phones
shipped subcompanies We know
instruments in actual use

Cable.

Seimens Brothers,
London, England. November 2, 1889.

Cable approximate price of 100 knot lightly armoured cable with stranded core 420 square millimeters with gutta-percha 5 millimeters total thickness in several layers with intermediate compound. EDISON.

exceed greatly this proportion
in favor phones. North American
has no actual data on
relative distribution in hands
public
Edison

Nov. 4, 1889

C a b l e g r a m.

Weyher & Richemond,

50 Route d 'Aubervilliers,

PANTIN (Seine), France.

Will take three hundred horse power triple expansion Exposition engine, with condenser. Await formal order by mail. Have you mailed photographs and blue prints?

E D I S O N.

Nov. 4, 89.

Mr. Wm. J. Farrell,

25 Essex Street, Orange,

N. J.

Dear Sir:-

With reference to your letter of 29th ultimo, I take much pleasure in enclosing herewith Mr. Edison's check for $25.00, his subscription to the fund which is being raised for Duffy and Impraud's Band. Please acknowledge receipt, and oblige

Yours truly,

Private Secretary.

Nov. 4, 1889.

S. B. Hutton, Esq.,

120 Broadway, New York.

Dear Sir:-

I have received an unsigned letter, which I presume is from yourself, it being on your firm's letter head, enclosing contract in triplicate extending payment for two months of the Lippincott sixty-five thousand dollar note. I have signed each of these three documents, in presence of a witness, as desired, and beg to return them to you herewith.

Very truly yours,

Nov. 4, 89.

Prof. R. H. Thurston,

Sibley College, Cornell University,

I t h a c a , N. Y.

My Dear Sir:-

Mr. Edison has asked me to acknowledge the receipt of your letter of 18th ultimo. He regrets exceedingly that it will be impracticable for him to accept your very kind invitation to visit Cornell. Since his return from Europe, Mr. Edison has commenced work on a new line of experiment which will keep him very busy for some time to come, rendering it impracticable for him to leave home even for a short time.

Very truly yours,

Private Secretary.

Nov. 5, 1889.

Le Courrier de la Presse,

10 Boulevard Montmartre,

Paris, France.

Dear Sirs:-

Among the clippings from the newspapers which I receive from your Company, I notice several from the American press. As I subscribe to an Agency in New York which supplies me with all clippings concerning myself that appear in the American newspapers, I must ask your Company to confine itself, exclusively, to publications of Europe &c.

Very truly yours,

Nov 5 1889

J. Block Esq Moscow Russia

My dear Sir We send you by Baldwin's express the enclosed list of copies — We feel that you should be put in a position to show the phone to its greatest advantage & we have therefore returned your check with thanks — I am sorry to say that we do not make a resistance box for that machine you have but we have included plenty of battery for renewals. — The 200 thread screw we have made some of but I do not send them as we do not intend to use them in practice — At some future time we shall make a machine that will be especially adapted to that purpose — If you get good results & exhibit it to the persons named successfully I am sure W. C. will feel amply repaid for what little trouble we have had — Let me hear how you progress — I have not had time to look up the battery matter yet but if I get with it as shortly

Yours truly
Chas Williams

Moscow Russia

Via Barcelona Liverpool & London &c.

[illegible] Flasks

[illegible] 100 lbs. ea.

[illegible] Russian Lard

[illegible] Blanks

[illegible] Rackarum & Rabarbarum "Daisy"

[illegible] "Bonnie Lassie"

[illegible] Clary & Stirling Bros Consignees

[illegible] Clarson for No 1 Battery

[illegible] Bass & Co. Brewers

" Commutation "

[illegible] Bass

[illegible] do

[illegible] Bass do.

Nov. 6, 1880.

Edward D. Adams, Esq.,

Messrs. Winslow, Lanier & Co.,

New York City.

My Dear Sir:-

I have received your various letters enclosing communications from Professors Rowland and Morton. I can only say in regard to these that you are wasting time in obtaining opinions from these gentlemen, neither of whom has more than a theoretical, school-boy knowledge of the subject which they attempt to discuss. It would be quite useless for me to meet either of them, as both their time and mine would be consumed to no advantage.

Very truly yours,

Nov. 6, 89.

Benjamin F. Stevens, Esq.,

New England Mutual Life Insurance Co.,

B o s t o n, Mass.

My Dear Sir:-

I have your letter of 4th instant. Mr. Allien came to the Laboratory yesterday, and Mr. Edison was much pleased with his report on foreign business; also with the samples that he brought with him. I am to see Mr. Allien to-day or to-morrow, and will advise you later what day we will go to Boston.

Very truly yours,

Private Sec'y.

Nov. 6, 89.

Mr. John Krausi,
The Edison Machine Works,
Schenectady, N. Y.

My Dear Sir:-

Confirming our conversation by telephone, please make us immediately three No. 4 Armature bodies. Put on the shafts 56 inches long. The shaft to project one end 24 3/8 inches and on the other end 19 7/16 inches. Only turn the shaft sufficient for you to put the No. 4 body on, and do not make any key ways for commutators. Leave the ends so that I can turn down for commutators and bearings. Make the divisions in the plate 32. As soon as you have one ready send it down by express and follow it immediately by the man to do the winding, well supplied with insulation, paper, compound, wire, mica, and everything necessary to do the work.

The order for wire that I gave you October 31st was for 50 pounds No. 17 Browne & Sharp, and No. 11 Browne & Sharp, .091 and .045, respectively. Please remember that this order should be multiplied by three. Send this wire as soon as you can.

Yours truly,

CHAS. BATCHELOR.
M.

Nov. 6, 89.

Jesse H. Lippincott, Esq.,

160 Broadway, New York.

Dear Sir:-

Replying to your letter of 1st instant, I beg to say that the amount, $22,500, named in your contract with Mr. Edison under date June 28th, 88, as having been the sum paid by Mrs. Hemenway for her stock in the Edison Phonograph Company, is incorrect, and appears as an error on the part of Mr. Tomkinson in drawing this agreement.

Mrs. Hemenway purchased 150 shares of stock at $148 per share, a total of $22,200, which amount on the 28th day of May, 1888, was deposited in the Orange National Bank, Orange, N. J., in the name of A. O. Tate, Trustee. On the same day checks were drawn as follows:- George Parsons Lathrop, $2,500; F. W. Tappan $2,500; W. S. Perry $300 ($5,300), which amounts represent the commissions paid on account of this transaction. At the time this stock was sold the stockholders of the Edison Phonograph Company had formed a "pool" and agreed with each other that any stock sold should be for the benefit pro rata of the various stockholders of the Company. The writer was made the Trustee of the "pool," which accounts for the above check having been deposited in his name. The balance of

this money was turned over to Mr. Edison. This in reply to your letter of 1st instant.

Very truly yours,

Private Secretary.

Nov. 6, 89.

J. H. Herrick, Esq.,

Edison Gen'l. Electric Co.,

New York.

My Dear Sir:-

I have your letter of 2nd instant enclosing copies of resolutions of the N. Y. Board of Aldermen, April 12, 1881, giving certain rights to the U. S. Illuminating Co. and the Brush Electric Illuminating Co. It is quite clear from those that the former has no right to erect overhead conductors in the City of New York. Judge Andrews has doubtless assumed, without looking at the records, that they possess this right. Cannot you have the EVENING POST bring out this point? as the main point in Judge Andrews' decision was that the U. S. Company had made a large investment under the law.

Yours truly,

Thos. A. Edison

Nov. 7, 1880.

Major S. B. Eaton,

120 Broadway, New York.

My Dear Sir:-

I enclose herewith copy of a letter under date September 10th, 1888, addressed by myself to Charles P. Bruch, Esq. I do not think I included a copy of this communication in the records concerning the Gilliland-Tomlinson matter which I ~~[illegible]~~ left with you some time ago.

Yours very truly,

Private Secretary.

C o p y.

Chas. P. Bruch, Esq.,
19 Dey St., New York.

Orange, N. J. Sept. 10, 1882.

Dear Sir:

Enclosed I beg to hand you Mr. Edison's check for Three Hundred Dollars ($300) to your order, the same being a loan to Mr. Gilliland.

I must apologize for having overlooked sending you this on Saturday.

Yours faithfully,

(Signed) Ad O. T a t e,

Private Secretary.

Telegram.

John Birkinbine,
Port Henry, N. Y.

November 7, 1889.

If I leave New York Friday morning what station do I stop at for Putnam mines?

Edison.

Telegram.

John Birkinbine,
25 N. E. City Hall Sq., N. Juniper St.,
Philadelphia, Pa.

Nov. 6, 89.

Can you accompany me on Thursday or Friday to Putnam County?

Edison.

Nov. 7, 1889.

H. C. Demming, Esq.,

Marion Improvement Co.,

Harrisburg, Pa.

Dear Sir:-

I am very much obliged for your letter of 5th instant. We have an instrument which was designed by my Assistant, Mr. Kennelly, for the purpose of locating magnetic iron ore and which works excellently. We were successful in locating several bodies with it on our last trip.

Very truly yours,

Thos. A. Edison

Nov. 7, 1889.

Wm. F. Taylor, Esq.,

Altoona, Pa.

My Dear Sir:-

I have your letter of 5th instant, in regard to the lecture which you are to give before the Electrical Section in Altoona on the evening of December 9th. We will send one of our men from the Laboratory with a complete equipment to assist you in connection with this lecture. I will have a variety of musical cylinders prepared, and I am setting up a set of Morse instruments for the purpose of recording in the phonograph some messages which will be sent you in that way by Mr. Edison himself, and which will be reproduced in Altoona by the phonograph. I suppose our man should leave here on December 8th?

Very truly yours,

Nov. 7, 1889.

Messrs. Lowisohn Bros.,

81 & 83 Fulton Street, New York City.

Dear Sirs:-

Replying to your letter of 2nd instant, inquiring as to the standing of the Edison Manufacturing Company, Silver Lake, N. J., I beg to say that this concern has not yet been regularly incorporated. We call it the "Edison M'f'g. Co." for convenience of distinguishing it from the other interests centered here in Orange. It is Mr. Edison's personal enterprise, and will be incorporated some time in the future, but at present its credit can be rated by Mr. Edison's personal standing.

Yours truly,

Private Secretary.

Nov. 7, 1889.

Mr. English,-

Get ready one of the latest water motor phonographs, put it in first class condition and make a plate for it as follows: "This Phonograph is presented to Fried Krupp by its inventor EDISON." With this we wish to send 200 blanks and a couple of dozen musical cylinders. Let me know when the above is ready for shipment, so I may communicate with Mr. Krupp further.

Yours truly,

Nov. 7, 1889.

Mr. English,-

Referring to the attached, please make up a package of such supplies as you consider is necessary for the machines that are in the hands of the GESELLSCHAFT URANIA, and advise me when the same is ready to go forward. Return the attached letter.

Yours truly,

Thos. A. Edison

Nov. 7, 1889.

Mr. Philip S. Dyer,

Antwerp, Belgium.

Dear Sir:-

Your letter of 31st October, addressed to Mr. Edison, in regard to sending to Lalande samples of batteries which we manufacture under the contract between him and Mr. Edison, is duly received.

The different types of battery which it is our intention to manufacture under this contract are not ready yet, but just as soon as they are completed, we will send samples of each to M. de Lalande in accordance with the 7th clause of Agreement.

Yours truly,

Private Secretary.

Mr. W. J. Jenks, Standardizing Bureau,
Edison General Electric Company,
New York City.

Nov. 7, 89.

Dear Sir:-

I beg to refer to you for attention the enclosed letter addressed to Mr. Edison which we have received from the Edison Illuminating Co. of Newport.

Yours truly

Private Secretary.

Telegram

John Birkinbine,
Fort Hamy, N. Y.

November 7, 1889.

Will leave New York to-morrow (Friday) morning on 10 : 30 train Hudson River Railroad, reaching Peekskill between 11 : 30 and 12. Can you meet me there?

E d i s o n.

Nov. 7, 1881.

Mrs. Mary Hemenway,

c/o A. Hemenway, 10 Tremont St.,

Boston, Mass.

Dear Madame,-

I beg to confirm the following telegram sent you to-day:-

"Am leaving to-morrow to be absent I think until Monday. Will be glad to communicate with you on my return. T. A. E."

Very truly yours,

Nov. 7, 1889.

W. A. Storm, Esq.,

Hamilton Building, Pittsburgh,
Pa.

My Dear Sir:-

In reply to your letter of 3rd instant, what Mr. Edison desires is all the literature published in regard to Westinghouse Air Brake for freight trains. Also, copy of contract they make with railroads for applying freight brake.

Very truly yours,

Private Secretary.

P. S. The bound and illustrated book mentioned in your letter under reply has not yet reached Mr. Edison.

Nov. 7, 89.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegram sent you to-day:-

"Phonographs already furnished URANIA.
Others all right."

Yours truly,

Nov. 7, 89.

Jesse H. Lippincott, Esq.,

160 Broadway, New York City.

Dear Sir:-

Here is copy of a telegram which Mr. Edison received yesterday from Mrs. Hemenway:-

"Please name some time when you will see my Agent, Mr. Gray, in New York, or elsewhere, and oblige MARY HEMENWAY, c/o A. Hemenway, 10 Tremont St., Boston."

We wired Mrs. Hemenway in reply to the above, that Mr. Edison was going away and would not return until next week.

Very truly yours,

Private Secretary.

Nov. 7, 1889.

Fried. Krupp, Esq.,
ESSEN, Germany.

My Dear Sir:-

I have the esteemed letter of your Director under date October 23rd, and in reply beg to say that the cylinder of the standard phonograph is not sufficiently long to take a continuous dictation for twenty-five minutes. It will take continuous speech for five minutes, which is equal to one thousand words or ten ordinary letters. It has been my intention, and I still desire to present you with one of these instruments as a personal gift from myself. I have given instructions for a special machine to be prepared for you, which I trust you will be kind enough to accept with my compliments. I will advise you when it is ready to go forward. I regret very much not having had the pleasure of meeting you when I was in Germany. My time was so limited that I failed to see a number of my friends whom I had hoped to meet.

Very truly yours,

Thos. A. Edison

Nov. 7, 1889.

Edward D. Adams, Esq.,

Messrs. Winslow, Lanier & Co.,

New York.

Dear Sir:-

Referring to copy of letter from Prof. Coleman Sellers addressed to yourself and enclosed with your letter to me under date 4th November, Prof. Sellers is very practical, and I am much pleased with the way he handles the subject under discussion.

Very truly yours,

Frederick Nelson

Nov. 7, 1889.

Dr. Meyer, Esq.,

Gesellschaft Urania,

Berlin, Germany.

My Dear Sir:-

I have your esteemed letter of the 18th of October, and in reply beg to say that two of the phonographs sent to Prof. Helmholtz were specially designed for the Gesellschaft Urania. I have given instructions for a supply of necessary parts to be forwarded to you immediately, and I trust they will reach your hands safely.

In regard to an exhibition of models of my inventions, I should be very happy to comply with your request were it possible for me to do so. At the present time, however, all my apparatus is in use, and at the moment there is nothing available that I could forward to you.

Perhaps later I may be able to send models of some of my inventions, and will be glad to do so if it is at all practicable.

I am greatly indebted for the photographs of your excellent institution, and beg to remain

Very truly yours,

Nov. 8, 1889.

Mr. Martin Force,

If the Edison Note Books Nos. 53 and 57, referred to on attached letter from Dyer & Seely, are in your possession, please deliver them to bearer, and return Dyer and Seely's letter.

Private Secretary.

Nov. 8, 99.

Messrs. Dyer & Seely,

46 Wall St., New York.

Dear Sirs:-

In reply to your letter of 6th instant, requesting me to send you Edison note books Nos. 37 and 53, Mr. McGowan will hand you note book No. 37. I have made a thorough search for No. 53, but can't find it.

Please acknowledge receipt of note book #37, and oblige

Yours truly,

Private Secretary.

Nov. 8, 89.

Col. George E. Gourand,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me to-day:-

"Slurring Misturazel taught."

"Code book not to hand. Can't interpret your cable of to-day."

Yours truly,

Nov. 8, 89.

Samuel Insull, Esq.,

44 Wall Street, New York.

Dear Sir:-

I have your letter of 6th instant, in regard to a model for the Toy Phonograph Company in Boston. I understand that the model to be filed with this Company will be made as soon as our machinery for turning out the various parts is completed,- that is, we will send them a model made from the dies which are to be used in filling their regular stock orders. There can thus be no question about its being the same as the ones afterwards furnished them.

Yours truly,

Private Secretary.

Nov. 8, 89.

A. Marcus, Esq.,

Mills Bdg., New York.

Dear Sir:-

Mr. Edison asks me to acknowledge receipt of your letter of 6th instant, in regard to the Pilper lamp, and to express his regret at having been unable to meet Mr. Roman this week. Mr. Edison left to-day to be absent probably until Saturday night. He would like to meet Mr. Roman at the Laboratory on Monday next at any hour convenient to the latter. The correspondence enclosed with your letter under reply I will keep on file in this office, in case Mr. Edison and Mr. Roman desire to refer to it.

Very truly yours,

(Private Secretary)

Nov. 8, 1889.

Messrs. Eaton & Lewis,

120 Broadway, New York.

Dear Sirs:-

At Mr. Edison's request, I enclose herewith a letter addressed to him by Mr. George S. Hale, of the firm of Hale and Fiske, Attorneys and Counsellors, No. 10 Tremont St., Boston, under date November 6th, &c., and referring to a suit brought against Mr. Edison some seven years ago by E. Baker Welch for thirty thousand dollars, for the alleged breach of a contract made April 1880, which the said Welch claimed entitled him to one-half the profits in certain inventions by double transmission, and which suit has been renewed recently and the claim amended to two hundred and thirty thousand dollars ($230,000).

This communication refers to Mr. Milton F. Adams, as a witness for Mr. Edison. Mr. Adams is at the present time employed by the Edison Lamp Company, and a note addressed to him in their care, will bring him to your office any time you may wish to see him. I understand that he is out of town frequently, but he can be brought back whenever you want him.

Very truly yours,

Private Secretary.

Nov. 8, 1889.

F. Z. Maguire, Esq.,

Hotel Rennert, BALTIMORE,

Md.

Dear Sir:-

I have your letter of 6th instant. The Edison Phonograph Toy Manufacturing Company has recently been reorganized, and Mr. Jacques, while on the Board, is not an officer of the Company. Mr. Benjamin F. Stevens is President, and the General Manager is Mr. Victor S. Allen. Mr. Edison manufactures for the Company and is a stockholder. I am one of the trustees, but have not yet attended a meeting, and have no definite knowledge as to the way they propose conducting their business abroad. You indicate in your letter that you desire to sell England, France and Germany outright. So far as I am aware the Company does not contemplate selling any of its territory, the idea being to furnish dolls for the foreign trade, the same as for the trade in this country. I am very sorry not to have seen you when you were in New York. When do you expect to come on again?

Yours truly,

Nov. 8, 89.

Atlantic Publishing & Engraving Co.,

49 & 51 Chambers Street, New York.

Dear Sirs:-

In reply to your letter of 31st ultimo, I beg to hand you herewith biography of Mr. Edison, for publication in the Encyclopaedia of Contemporary Biography of New York, which your Company is at present publishing.

If you can conveniently do so, I would be very much obliged if you would return this biography, as it is the only copy we have and may want to refer to it on some future occasion.

At the moment I cannot lay my hands on the biography which you sent here for revision. I will return it to you in a day or so, as desired.

Very truly yours,

Private Secretary.

Nov. 8, 1880.

Col. George M. Gerrard,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

Messrs. Dyer & Seely inform me that they have forwarded to you papers in the matter of Case No. 91. It is very necessary that you should lose no time in filing your applications in England, France and Germany, as I am obliged to make publication in the United States very shortly. You had better cable me as soon as these applications are filed.

Very truly yours,

Thos. Edison

Nov. 8, 20.

Mr. J. W. Gladstone,

Edison M'f'g. Co.,

Silver Lake, N. J.

Dear Sir:-

For the present please do not make any quotations of prices of batteries to outside people. We will within the next few days determine what these prices are to be, but as yet it is not definitely decided.

Yours truly,

Nov. 8, 89.

Westman Furnace Co.,

31, 33 Broad St., New York.

Dear Sirs:-

I have your letter of 6th instant, notifying me of my election as a Trustee of the Westman Furnace Company, and beg herewith to tender my resignation as one of your Directors, and to request the election of my Private Secretary, Mr. Alfred O. Tate, in my stead. I have transferred one share of stock to Mr. Tate to enable him to qualify as my representative.

Very truly yours,

Thomas A. Edison

Nov. 8, 89.

Col. George E. Gourand,

Little Menlo, Upper Norwood, Surrey, England.

My Dear Sir:-

I mailed to you Wednesday last photographs of the improved phonograph which I have gotton up since my return home, and which, when I am able to send you one, you will find to be as simple a machine as can possibly be wished for. By inspecting the photographs you will observe that I have removed the kick-back altogether. The lever for raising the spectacle, which, in the shape of an angle rod is placed in front of the straight edge on the machines which you use, has also been removed, and the spectacle is now raised by an arm which protrudes beneath the lip of the former; when this lever is thrown up the spectacle is raised so that the recorder or reproducer point, as the case may be, is lifted off the phonogram and the travelling nut thrown out of gear, and when lowered brings either of these points and the travelling nut back into position for recording or reproducing. I have cut the spectacle itself in two and thrown one side away, using one diaphragm for recording and reproducing. The receiver (which in the other type of phonograph we used to refer to as a recorder and reproducer, there being two of them), is let into the

spectacle in the usual way. Extending from the right-hand side of this reproducer (receiver) and attached to the same, is a small arm, which has a play up and down of about ~~half~~ a quarter of an inch, and which when raised or lowered moves the receiver in a circle to the same extent. Attached to the diaphragm of the receiver are the two points, one for recording and the other for reproducing. When this arm is up against the adjusting nut, the reproducer point C is in position, and when it is thrown down, the recording point is brought into play. In the photograph you will notice a wire bent over the top of the receiver and a shorter wire protruding upward to the left of this. This shorter wire is attached to the reproducer (receiver) and moves with it. The other is stationary. It is, therefore, obvious that these wires will be closer together when the lever of the receiver is thrown down than when it rests against the adjusting nut. The thimbles on the ends of the speaking tube and the listening tube have slots cut in them for these wires to enter and permit them to be set down over the thimble of the receiver. When the receiver is set for reproducing the speaking tube thimble cannot be placed over the receiver thimble, owing the wires not being in a position and when the machine is set for recording the listening tubes cannot be used - or in other words, either of these tubes can be used only when the machine is set for the purpose for which the tube is intended. It forms a sort of yale lock combination which prevents any mistake being made.

I have taken away the screw on the side of the machine employed to secure the swinging centre that secures the brass cylinder, and replaced the same by a short pendulum, which, when raised, clamps the swinging centre, holding it firm, and when lowered releases it. This motion is much more rapid than the screw motion. The knife has been placed on the spectacle arm at the back, in a kind of steel box, which contains the movement that operates the knife. On the side of this box is a determining point which automatically adjusts the knife for the proper depth of chip. At the back of the box is a lever which works up and down. When this lever is ~~[illegible]~~ down it lowers the determining point until the latter just touches the surface of the phonogram, and at the same time locks the knife in proper position for the cut. After the cut has been taken, and it is necessary to bring the spectacle back to position for recording, the spectacle arm is raised as usual, and this motion throws the knife back by raising the lever at the back of the knife box, thus eliminating the possibility of the cylinder being cut through thoughtlessness or carelessness. The arm which reaches from the sleeve on the backrod to the 100 thread screw is a split spring which carries two travelling nuts, one on each side of the split. Either one of these nuts will carry the spectacle along as well as the two together, which reinforces this part against accident. This machine possesses great advantage

in the way of recording, for the following reason: The recording point is a fraction of an inch to the right of the reproducing point. When the record is being made and the speaker desires to listen to the context of his subject, it is only necessary to throw up the lever attached to the receiver, keeping the speaking tube in his hand; the receiver point now comes into position and being, as I have said, the fraction of an inch behind the recorder it will repeat about twenty-five words of the dictated matter without moving the spectacle at all. So far as recording and reproducing are concerned, all adjustments have been done anywith. After the phonogram has been placed on the cylinder, the operation consists in simply dropping the spectacle and going ahead. As the phonogram is shaved off and its diameter reduced the difference is compensated for automatically by the recording and reproducing points which have an upward and downward movement that renders them at all times in position for the varying heights of standard phonograms, which latter will yield about twenty five surfaces.

When these instruments are placed in business offices, a clerk or office boy will shave off the phonogram and keep a supply ready for use in the drawers of the phonograph cabinet. The business man has only to slip one of these on the machine, close the swinging shutters, throw up the clamp, drop the spectacle and go ahead. All adjustments are eliminated and the [illegible] can be [illegible] on the phonogram surface - near fifty - and or in the middle, with equally good results.

Col. G. M. G. -5-

I have also designed a water motor, which works to perfection, and which I believe will be adopted universally in place of batteries. It runs on ordinary city pressure. At ordinary water rates, the cost of operating this motor will not exceed three and a half cents per day. I have only completed one of these machines, and I have sent you photographs of the same. We are going to get our factory in shape to substitute them for the instruments we are at present making. They can be run by water power or by an electric motor; also by foot power.

The North American Phonograph Company will very shortly discard the graphophone and furnish phonographs exclusively to its licensee companies. This has very adopted Bell's [illegible] [illegible] effect ...

Very truly yours,

Edison

P.S. 1 gallon every 4 minutes.
15 gallons hour — Key [illegible]
price 15¢ per 100 gallons

E

Nov. 11, 80.

Theodore Stewart, Esq.,

A l b i o n , Orleans Co.,

N. Y.

Dear Sir:-

With reference to your letter of 3rd instant addressed to Mr. Edison, I beg to say that the last time the writer had the pleasure of seeing your son was at HAVRE (Germany) on the 28th September last. He then stated his intention of proceeding to London, England, on business connected with electric lighting in Chile, and I presume that he is now there.

Very truly yours,

Private Secretary.

Nov. 11, 89.

North American Phonograph Co.,

160 Broadway, New York City.

Dear Sirs:-

I beg to refer to you the enclosed letter which I have received from Mr. C. F. Johnson, who desires to make a practical test of the phonograph. Mr. Johnson is a stenographer who has quite a large connection, and I have referred him to yourselves, stating that I thought you would have no objection to his making the desired test at your offices.

Yours truly,

Nov. 11, 89.

W. J. Hammer, Esq.,

P a r i s , France.

Dear Sir:-

I beg to confirm the following cablegrams exchanged between us 9th instant:-

"Can buy marble electric light circuit 0,000 francs. Wanted twelve. Do you want it? HAMMER."

"If you refer statue on gas lamp, yes, buy it. Have best firm pack it. EDISON"

Yours truly,

Thomas A. Edison

Letterbook, LB-034

This letterbook covers the period November-December 1889. Most of the correspondence is by Edison and Alfred O. Tate. The letters relate primarily to the manufacture and marketing of the phonograph and talking doll. There are also several items dealing with the technical and commercial development of the Edison-Lalande battery. Other documents pertain to mining and ore milling, mimeograph royalties, and the phonoplex system. Included also are letters to the firm of Dyer & Seely regarding electric light patents and other patent matters and correspondence about Edison exhibits at expositions in the United States and in Europe. The book contains 499 numbered pages and an index. Approximately 30 percent of the book has been filmed.

Nov. 11, 89.

Mme. Anna Lankow,

311 East 14th Street,

New York City.

Dear Madame, -

With reference to your letter without date addressed to our Mr. Hagen, asking if it would be convenient for you to come to the Laboratory and sing to the phonograph, in reply we regret very much to state that just at present it is impossible for us to set apart an afternoon for this purpose. We are very busy getting out musical cylinders, and have musicians, bands &c., &c. engaged to play to the phonograph every day for the next month. Were it not for this we should be very pleased to avail ourselves of your kind offer, and the first opportunity that occurs we shall be pleased to communicate with you.

Very truly yours,

EDISON LABORATORY.

Nov. 11, 89.

Henry B. Auchincloss, Esq.,

Llewellyn Park, N. J.

Dear Sir:-

I have your letter of 8th instant, in regard to your bill for light for the month of October, amounting to $23.82. In regard to your remarks about leakage, I beg to say that there could have been no leakage which would have made any material difference in this bill. All the current which is supplied to householders in the Park is run through meters which register the amount consumed by each person. These meters are absolutely correct, as has been proved time and time again.. The trouble which you complain of in regard to the irregularity of the light will be removed very shortly.

Yours very truly,

Nov. 12, 89.

Major S. S. Eaton,

120 Broadway, New York City.

Dear Sir:-

I return herewith proof of proposed license agreement between the Edison Ore Milling Co., L'td. and the New Jersey and Pennsylvania Concentrating Works. You will observe that Mr. Edison states in his notes upon this contract that you have omitted to secure the Ore Milling Co. its royalty for all time.

I beg to call your attention to page 5. One of the paragraphs reads as follows: "The first party shall promptly notify the second party in writing whenever it, the second party, grants any sub-licenses &c." Should not this read: "The second party shall promptly notify the first party &c?"

Very truly yours,

Private Secretary.

Nov. 11, 89.

Geo. F. Stevens, Esq.,
New Eng. Mutual Life Ins. Co.,
Boston, Mass.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Please send me copy of proposed letter to Crawford and permit me to communicate with you further before letter itself is mailed to Crawford. A. O. T"

Yours truly,

Nov. 11, 89.

Gustave Stromberg, Esq.,
33 Broad St., New-York.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Certificate left in your office Saturday. Please have transfer made this morning so I can qualify this afternoon. A. O. T"

Yours truly,

Nov. 11, 1880.

My Dear Mr. Adams,-

Your letter of 8th instant has been duly received.

I cabled Siemens Bros. for approximate estimate on sizes cabled. The prices are rather high when 45% is added, and I think they can be made in this country. I am certain I can make as good cable of the character we want as the London people.

My Engineer is now along Niagara River, making preliminary survey inquiries about ice, anchoring &c., &c. I have two young men at Buffalo making a lighting survey. A couple of weeks will finish it, and will show the position of every kerosene lamp, gas jet, electric and arc, and the hours of burning. This will give us within five per cent of every man's gas bill.

Very truly yours,

Edward D. Adams, Esq.,
New York City.

Nov. 11, 89.

Harold P. Brown, Esq.,
201 West 54th Street,
New York City.

My Dear Sir:-

With reference to your letter of 7th instant and to the matter therein referred to, Mr. Edison says by all means follow it up. Westinghouse has already started in England a fifteen thousand light station, and is going to try and capture the whole English trade. Mr. Edison suggests that you try and arrange with some of the English newspapers to correspond with them occasionally on this subject, giving them list of deaths &c., &c., and thus educate the English people up to the dangers of high tension currents.

Very truly yours,

(Private Secretary).

Nov. 12, 89.

Col. George Edward Gourraud,
Little Menlo, Upper Norwood,
Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

ROSLIN. London, Nov. 9, 1889.

"Mailed to-day Urbain important proposal.
Have good Holland. Left Thony Code
postal with letters."

GOURAUD, NORWOOD. November 12, 89.

"Holland shipped November second,
Steamer Edam. Kilson."

Yours truly.

Nov. 11, 1880.

The Chamber of Commerce of the State of New York,

New York City.

Dear Sirs:-

Your Committee of Arrangements has kindly sent me an invitation to attend the 121st. Annual Banquet of the Chamber on the 19th instant, and this is to signify my acceptance of the same.

Very truly yours,

Nov. 11, 1839.

Charles Stewart Smith, Esq.,

Chamber of Commerce,

New York City.

My Dear Sir:-

Your esteemed favor under date 8th instant, requesting my acceptance of the invitation kindly extended to me by the Chamber of Commerce to attend their 121st Annual Banquet on the 19th of the present month, has been duly received, and in reply I beg to inform you that I have to-day signified to the Committee of Arrangements my intention of being present on the occasion in question.

Very truly yours,

[illegible]

Nov. 11, 1899.

George Wilson, Esq., Secretary,

Chamber of Commerce of the State of New York,

New York City.

Dear Sir,-

I beg to acknowledge the receipt of your letter dated 7th instant, notifying me that at a meeting of the Chamber of Commerce, on the nomination of its Executive Committee, I was duly elected an Honorary Member of the Chamber.

I shall be very pleased to receive my Certificate of Membership, and appreciate highly the honor thus conferred upon me by my election to membership in the Chamber of Commerce of the State of New York.

Yours respectfully,

Nov 13th 9

Edison Machine Works,
Schenectady N.Y.

I was under the impression that the following had been ordered; but as I cannot find a copy of it please send them forward on this order if you have not already got one:—

Cores, Keepers, heads and Pines all assembled together for 3 #4 Dynamos.

The cores should have five heads on but not wound & should be fastened to Keeper by bolts in the usual manner; heads do not need to be bored out but should be fast to the cores — Pines must be finished & fast to the heads.

(6) Six #4 pillar blocks each with a rocker arm on

I telephoned you to send me an extra #4 armature just like the three already shipped so that I shall have a spare in case of need

Please remember that I shall therefore want one extra 96 and one extra 16 commutator for it

Truly Yours
Chas. Batchelor

Nov. 14, 89.

D. H. Driscoll, Esq.,

Messrs. Dyer & Seely,

New York City.

Dear Sir:-

I enclose herewith three typewritten copies of Mr. Edison's testimony in the Edison-Swan Interference, taken at the Laboratory yesterday; also one copy of that portion of Mr. Batchelor's testimony in the same case taken Tuesday last.

Very truly yours,

Stenogarpher.

EDISON LABORATORY.

TELEGRAM.

Telephone Edison Mach. Wks Schen

From Batchelor — the shafts you sent us at

To the same time you sent the Cores

were both bad — please express us

at once one #12 hammered steel shaft

in the rough & we will make them

out of that

10.25 A.M. 11/14/89

Nov 13th 1889

Gesellschaft Urania
Berlin
Germany.

Gentlemen.

I beg to notify you of the following shipment made this day per Wells Fargo Express Co. Viz:—

No 9068 - Barrel containing 200 Phono. Blanks.
" 9069 - Box " 10 - Governor Belts.
10 - Mandrel Belts
5 - Mandrel Shafts
10 - " " centres
10 - " Belts
10 - Return Spring Belts
10 - Sliding Pins
10 - " " Levers
10 - Cam Clamp & Screw
10 Cutting off Knives
10 Recorder Needles
10 Reproducer " "
24 " Diaphragms
24 Recorder " "
10 Rec Springs
10 Rec " Brushes
10 " Commutator Brushes
10 Armature Staff centres
10 Governor Cushes
10 Rec Screw cup all screws
24 Musical Records

#9070 Box "

Yours truly
Thos A Edison
Miller

Nov. 14, 89.

Messrs. Drexel, Morgan & Co.,

New York City.

Dear Sirs:-

Will you kindly send me a statement of my account to November 1st. The last statement received from you was for September 20th, 1889, showing a balance of $475,315.03. I wish you would kindly bring this up to the date named above.

Very truly yours,

Thomas A. Edison

Nov. 14, 89.

Major S. B. Eaton,

120 Broadway, New York City.

Dear Sir:-

Replying to your note of 13th instant, Mr. Edison has addressed a letter to the Cie. Continentale Edison, of Paris, asking them to give you or your correspondents in Paris any information in regard to the foreign feeder invention which may be asked for.

Very truly yours,

Private Secretary.

Nov. 14, 89.

Messrs. Weyher & Richemond,

50 Route d'Aubervilliers,

Pantin (Seine), France.

Dear Sirs:-

I beg to confirm the following cablegram sent you today:-

"Imperative I should have immediately foundation plan Exposition engine. Have you mailed blue prints requested in my cable fourth? EDISON."

Very truly yours,

Thos A Edison

Nov 14, 89.

My Dear Sir John,-

I have your letter of 31st ultimo, enclosing copy of an article in "ENGINEERING" relative to iron in New Zealand. I am quite familiar with the deposit referred to, which is the finest in the world, and in connection with which my process of separating could be worked with great success and an enormous business built up. This iron is refractory, owing to the presence of titanic iron, which my machine removes and leaves in the tailings.

Yours very truly,

Sir John Pender,

Winchester House, 50 Old Broad St.,

London, England.

Nov. 14, 1890.

Compagnie Continentale Edison,

Paris, France.

Dear Sirs:-

I beg to acknowledge with thanks receipt of your letter of 28th ultimo, in regard to Spanish Patent, Set D. I have communicated with Messrs. Eaton and Lewis, General Counsel of the Edison Electric Light Company. I wish you would very kindly give Messrs. Eaton & Lewis, or their correspondents in Paris, Brandon and Fils, any information that they may ask with relation to foreign patents on the feeder invention, which you can supply.

Very truly yours,

Nov. 14, 80.

Lemuel W. Serrell, Esq.,

140 Nassau Street, New York.

Dear Sir:-

I return herewith order on Commissioner of Patents to furnish you with certified copy of my Caveat No. 37 filed January 24, 1872 for District and Alarm Telegraph, which I have duly signed as requested in your letter of 12th instant.

Yours truly,

Thomas A. Edison

Nov 14/88

Daniel Weld Esq Secy
Edison Phono. Toy Mfg Co
Boston Mass

Dear Sir:

I beg to acknowledge with many thanks receipt of your letter 12th inst. enclosing correspondence relative to the Crawford Contract.

I have duly mailed to Mr Crawford your two letters to him under date 11th inst.

Yours very truly

A. Dale

Nov. 14, 90.

Messrs. Eaton & Lewis,
120 Broadway, New York.

Dear Sirs:-

I enclose herewith (1) copy of contract between Thomas A. Edison and A. B. Dick Company, under date June 27, 1887; (2) copy of contract between Thomas A. Edison, Robert Gilliland and the A. B. Dick Co., under date August 4, 1887; (3) a batch of correspondence between Mr. Dick, myself and Mr. Edison, which explains itself.

The A. B. Dick Company manufactures Mimeographs in America and ships them abroad for sale in foreign countries. Have they the right to do this? Mr. Edison has no foreign patents on the Mimeograph, and the A. B. Dick Co. takes the ground that for this reason it is free to sell in foreign countries without paying Mr. Edison any royalty. I wish to ascertain what their rights really are under the contracts which have been made with them.

Very truly yours,

Private Sec'y.

COPY.

Orange, N. J. Oct. 30, 1889.

My Dear Dick,-

I am very much obliged for your letter of 26th inst., in regard to Mr. Edison's royalties on mimeographs sold abroad. I understood before interrogating you in this matter that Mr. Edison had no rights in the shape of patents to transfer to your Company, but that is a matter which does not enter into a consideration of the relations between Mr. Edison and yourselves. The agreement between Thomas A. Edison and the A. B. Dick Company, under date 27th day of June, 1887, in the first section provides: "The party of the first part (Edison) hereby grants and hereby "licenses and empowers the party of the second part and its suc-"cessors and assigns, the sole and exclusive right for the term "hereinafter stated, to manufacture and to grant to others the "right to manufacture, subject to the conditions hereinafter named, "apparatus for preparing Autographic Stencils for printing, as "covered by said Letters Patent, and to sell and grant to others "the right to sell the same within the United States, <u>but not for "export to other countries."</u>

It would appear from this that the limitation of your business to the United States is one of the conditions of the grant of your original license, and that this condition is at the present time being violated by your Company.

I would have pointed this out in my previous letter to you, but the same was written without reference on my part to the con-

n

tract between your Company and Mr. Edison. It is a matter which you yourself have apparently overlooked, and I call your attention particularly to it, for the reason that it seems to me to be very important to the incorporated interests which you represent that your business should be conducted in accordance with the existing records of the rights possessed by the A. B. Dick Company.

Very truly yours,

(Signed) A. O. Tate,
Private Sec'y.

To

A. B. Dick, Esq.,

Chicago, Ills.

COPY.

Orange, N. J. Oct. 26, 89.

My Dear Dick,-

In talking with Mr. Edison the other day about our foreign business, he mentioned the Mimeograph, and in the course of conversation asked me about the sales over there and what I considered the royalties would amount to. I asked him if he had any understanding with you in regard to royalties, and he said that the general arrangement under which you were selling machines covered the foreign as well as the domestic business. Thereupon I dropped the subject, so that I might have an opportunity of consulting you and relieving an impression which I had formed but which I did not wish to communicate to Mr. Edison without further investigation. You will remember that you and I had some little conversation with regard to Mr. Edison's royalty on Mimeographs sold abroad, while we were in Europe, but we did not pursue the matter very far.

Will you kindly inform me if Mr. Edison's account is being credited with royalty on your foreign sales, the same as on sales in this country, and very much oblige

Very truly yours,

(Signed) A. O. Tate,

Private Secretary.

A. B. Dick, Esq.

Nov. 15, 1899.

H. Fondersmith, Esq., Div. O'p'r.,

Pennsylvania Railroad Company,

32nd & Market Streets, Phila., Pa.

Dear Sir:-

I have had a conversation with Mr. Logue in regard to the use of our new battery on your lines. He informs me that you have 29 wires terminating in Philadelphia - 14 at 32nd and Market Streets and 15 at Broad St.,- and that you desire to know if we can work all these out of one battery.

In reply I beg to say that we can work the whole of these on 150 cells, so far as I can calculate from the data given me by Mr. Logue. I am going to ask you a few questions, and when I receive your reply I will give you more accurate information.

I understand that a number of these lines are City wires. Please let me know the exact number; the mileage of the longest one of these; its total resistance, including resistance of relays; the voltage which you wish to secure.

I separate these city circuits, because I understand they are

short wires, and it is, therefore, desirable to operate them from an independent battery.

In regard to the balance of your wires running out of Philadelphia, I want to know (1) the mileage of the longest one of these, (2) its total resistance, including relays, (3) the voltage desired, (4) number of wires.

If you can conveniently do so, I would like you to let me have a record as follows:-

CITY CIRCUITS.

(1) Mileage of each wire

(2) Total resistance of each wire, including relays.

And the same for "out of town" wires.

The internal resistance of one of our cells is only .02 - local action is less than one-half of one per cent; there is absolutely no cleaning to be done in connection with it; its resistance does not rise but remains constant during its life, and the effect is to render the battery as serviceable in wet weather as in dry.

Perhaps I can best illustrate its capabilities by means of figures. The data which I use may be incorrect, as Mr. Logue's information was hearsay, but practically this will make no difference to my present purpose.

I have assumed that you have nine short city wires, leaving 20 long ones to be grouped in one battery; that you want an initial pressure of 125 volts, and that the total resistance of the longest

of these, including relays, is 3600 ohms; therefore, when these 20 wires are "evened up" with relation to resistance, the total resistance of the outer circuit will be 180 ohms.

To give you the desired voltage we would install say 150 of our cells; we can neglect the combined internal resistance of these, as it would amount to only 3 ohms. These cells have a capacity of 300 ampere hours with one charge of solution; the oxide plates and zincs have a capacity of double the above, so that two charges of solution give 600 ampere hours.

On my assumed data you would take 7/10 of an ampere out of the battery 24 hours daily, which with one charge would give it a life of three weeks; or six weeks on two charges of solution. In practice this time will be extended I think we can safely say, to one month on one charge, and double that time on two, or even better than that.

I now wish to call your attention to the merits of this battery in wet weather. The internal resistance of the circuit is 3 ohms, and the external 180 ohms. Supposing as an extreme case, that moisture reduces the resistance of your wires ten times, bringing your external circuit down to 18 ohms, you would still get 5/6 of the whole current on your lines - only one-sixth would be lost in the battery. In short, this battery will work just as well in wet weather as in dry.

I am making a test now on locals. Think we can run upwards of twelve sounders on two cells. I will let you know about this

later.

I shall be glad to hear from you in answer to my queries, and thanking you in anticipation, I am

Yours very truly,

Nov. 15, 1889.

Messrs. J. M. Ceballos & Co.,

80 Wall Street, New York.

Dear Sirs:-

I beg to acknowledge with thanks, receipt of your letter under date 8th instant, informing me of Mr. Conmery's success in securing from the Mexican Government the desired concession, which intelligence was received with much gratification.

Very truly yours,

Isaac Rubio

Nov. 16, 80.

My Dear Young,-

Referring to your letter of 4th instant to Mr. Edison, in regard to an eccentric cam for locking the side arm of the phonograph, I believe you refer to the swinging centre. I mailed Col. Gourand a few days ago a description of Mr. Edison's new phonograph, from which you will see that he has already done away with the screw in question, substituting a clamp.

Very truly yours,

Private Secretary.

J. Lewis Young, Esq.,
Edison's Phonograph Co.,
London, England.

Nov. 16, 89.

Col. George E. Gouraud,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

In reference to your letter of 31st ult., regarding an attachment for main shaft and special recorders and repeaters for making a record of twice the usual length, I beg to say that we do not make these.

Very truly yours,

Nov. 16, 1880.

Samuel Insull, Esq.,

44 Wall Street, New York City.

My Dear Sir:-

I am very much obliged for your letter of 14th instant, enclosing prices on new battery. I may observe that the quotations in question are about four hundred per cent. too high.

Very truly yours,

Nov. 16, 89.

Edison's Phonograph Co.,

London, England.

Dear Sirs:-

I beg to confirm the following cablegram sent you to-day:-

PHONOGRAPH, LONDON. Nov. 16, 1889.

"R e c i d i v a t e."

Yours truly,

Nov. 18, 89.

N. E. Smith, Esq.,

New Haven, Conn.

Dear Sir:-

With reference to your letter of 15th instant, your order for musical records will be filled at the earliest possible moment, and we will take particular pains to select for you good records. We have none of the selections mentioned on hand and will ~~have to~~ be necessary to have them played to the phonograph. The cornet solos we will send you in a few days, but the full band selections may be delayed a week or so. Trusting that this will be satisfactory

I am, yours very truly,

Nov. 18, 1880.

H. M. Livor, Esq.,

19 Dey St., New York.

Dear Sir:-

I enclose herewith for your information translation of a letter which we have received from Messrs. Weyher and Richemond, Pantin (Seine), France, dated 5th November, 1880, and addressed to Mr. Edison.

Very truly yours,

Private Secretary.

T r a n s l a t i o n.

Paris 5th November, 1889.

Thomas A. Edison,

Dear Sir:-

We have just received your telegram as follows:-

"Will take 300 h. p. triple expansion opposition engine with condenser. Await formal order by mail. Have you mailed photographs and blue prints?"

We thank you very much for this order, and await instructions which you promise by next mail. We are making at this moment special photographs for you, which we will have the pleasure of sending you in a few days. Complete working drawings for the 150 and 300 h. p. engines, as well as the condensers, are nearly finished and we think we shall be able to send them after a few days. The wooden models of the 150 h. p. engine are about to be finished and those of the 300 h. p. engine are far advanced. We are losing no time in order to let you have them at the earliest possible moment. Kindly send by first mail exact instructions for allowing shipping them from Havre to the United States. We thank you for allowing us to authorize a draft upon your Bankers, Drexel, Morgan & Co. through Drexel, Harjes & Co., of Paris, but we will not take this liberty until after we shall have sent your models and drawings.

In conclusion we shall state that we shall be extremely happy if you will favor us with a few words in your own handwriting that we may preserve as a souvenir.

(Signed) Ch. Weyher.

Nov. 18, 89.

Corning Glass Works,

C o r n i n g, N. Y.

Dear Sirs:-

I beg to confirm the following telegram sent you this morning:-

"Please send five gross Edison's special bulbs similar to sample sent from here."

Yours truly,

E D I S O N L A B O R A T O R Y.

Nov. 10, 89.

The Edison Machine Works,

Schenectady, N. Y.

Dear Sirs:-

I wish to confirm the following telegram sent you

Nov. 9th:-

"We are very much overloaded. When can you give us our number twelve? BATCHELOR."

Yours truly,

Chas. Batchelor.

M.

Nov. 19, 1889.

R. J. Gray, Esq.,

THE ELECTRIC AGE,

#3 Dey St., New York City.

Dear Sir:-

I have a number of circulars in regard to our new battery, and I want them to reach the hands of the various Division Operators and Superintendents of Telegraph throughout the country. So far as possible I have taken names from the "Travellers' Railway Guide," but this appears to be very incomplete, as I find the list numbers only a little over 300. Would I be asking too much to request you to let me have a copy of your list? Of course I will pay all expenses of getting it out. I may add that whenever you want data for a "write up" on this new battery, I will be very pleased to give it to you. Mr. Edison has been away for the last ten days. Upon his return, to-morrow, I will send you a check for your bill.

Very truly yours,

Private Secretary

George Wilson, Secretary,
Chamber of Commerce,
New York City.

Nov. 19, 1889.

Mr. Edison is unwell and desires you to kindly express to your Committee his deep regret at being unable to be present at the Banquet of the Chamber of Commerce this evening.

A. O. Tate,
Private Secreta

Nov. 19, 1889.

Chas. S. Smith,
115 Worth St., New York.

Mr. Edison is unwell and regrets exceedingly that he will be unable to attend the banquet of the Chamber of Commerce this evening. I have informed the Committee.

A. O. Tate,
Private Secretary.

Nov. 22, 89.

Samuel Insull, Esq.,

New York City.

Dear Sir:-

Please note Mr. Edison's remarks on back of enclosed letter.

Yours truly,

Private Sec'y.

Nov. 22, 89.

Mr. Logue,-

Get a Morse Sounder working good and loud, and set it up in the Lecture Room. I want this for Mr. Edison to prepare phonograms for Taylor's lecture at Altoona.

Nov. 22, 89.

My Dear Mr. Field,-

Now that the affairs of the Edison Phonograph Toy Manufacturing Company have passed from a state of chaos into a condition of genuine business, I feel that it is due to yourself, Mr. Stevens, and those who have co-operated with you, to express to you my appreciation of the active part which you have taken in connection with this reorganization. From the commencement of my very pleasant acquaintance with yourself and Mr. Stevens, I have felt assured that we would reach a thoroughly satisfactory solution of the somewhat difficult problems which were presented, and it is a gratification to me to know that my confidence was so well placed I have now full faith in the success of the business of your Company, and will gladly do all I can to contribute towards that end. I desire yourself and Mr. Stevens to receive my personal thanks for the able assistance which you have rendered in protecting the rights of your stockholders, which involved to no small extent my own reputation, and with kindest wishes for your welfare, beg to remain

Yours very truly,

Thomas A. Edison

R. M. Field, Esq.

Nov. 22, 89.

Noel B. Amory, Esq.,

Delaware House, Port Jervis,

N. Y.

Dear Sir:-

I have your letter of 16th instant, asking for my opinion as to the use of storage batteries in connection with electric railways, and in reply I beg to say that for this purpose I consider them an absolute failure. In addition to their unreliability in operation, they have no commercial element, and they serve only the temporary purposes of speculation, the public being deceived by their apparent simplicity.

Yours truly,

[illegible]

Nov. 22, 1889.

Messrs. Eaton & Lewis,

120 Broadway, New York City.

Dear Sirs:-

I beg to return herewith deed and assignment of contract for mineral rights from Mr. Edison and wife to the New Jersey and Pennsylvania Concentrating Works, duly executed by Mr. and Mrs. Edison, and acknowledged before Notary Public, the same having been enclosed with your letter of 20th instant.

Yours truly,

Private Secretary.

Nov. 22, 80.

George M. Hopkins, Esq.,

361 Broadway, New York.

Dear Sir:-

Referring further to your letter of 11th instant to Mr. Edison, the latter says to come over any time and get what you want from Mr. J. C. English, General Manager of the Edison Phonograph Works, who will fit you out to the best of his ability. Owing to Mr. Edison's contract with the North American Phonograph Company, he can only loan you the apparatus.

Yours truly,

Private Secretary.

Nov. 22, 80.

J. D. Conklin, Esq.,
40 Wall Street,
New York City.

Dear Sir:-

Referring further to your letter of 14th instant, Mr. Edison says that the sample which you left at the Laboratory is a mixture of oxidized hydrocarbons and sulphurized hydrocarbons. It could be used in considerable quantity, if cheap enough, for our underground tube material. He does not see what other use it would have for insulating purposes. We should be compelled to tin our wires to prevent action of sulphur. Ordinary coal tar can be turned into the same character of material by heating with sulphur and oxide-manganese. At how much per ton could this material be delivered at New York?

Yours truly,

Private Secy.

Nov. 22, 89.

Dear Mr. Adams, -

The points referred to in your letter of 19th instant will be all worked out in my final estimates. I intend submitting four estimates - a minimum, a maximum, and two intermediates.

Very truly yours,

Ed. D. Adams, Esq.,

New York City.

Nov. 22, 89.

Edgar Gray, Esq.,

U. S. Land & Investment Co.,

44 Broadway, New York City.

Dear Sir:-

Mr. A. G. Bradstreet has very kindly referred to Mr. Edison your letter to him under date 8th instant, in regard to the Edison Ore Milling process. In order to give you definite information in regard to the treatment of the ore which you have in mind, it will be necessary for Mr. Edison to have full details as to the character of the ore, its situation &c. Perhaps the best way would be to have 20 lbs. of the same sent to the Laboratory, and in doing this the poorest samples should be selected. Mr. Edison erects mills for separating iron ore, of from 200 to 1,000 tons daily capacity. We have no circulars in regard to the process, terms being made subject to contract, and depending upon the success of the mill. We can generally take $ 16 dust ore and run it up to 68 units, losing only two per cents of iron in the tailings. Of course, everything depends upon the character of the ore, and Mr. Edison will be glad to receive a sample when-

ever you can send it, after which he will communicate with you further.

Very truly yours,

Private Secretary.

Nov. 22, 80.

United Edison M'f'g. Co.,
65 Fifth Ave., New York City.

Dear Sirs:-

Replying to your letter of 18th instant, in regard to sample of insulation invented by Mr. Chas. T. Snadeker, which you desire Mr. Edison to test, the latter will do this work at our regular Laboratory rates. Of course the extent of our charges would depend upon the time consumed in conducting any tests which you desire to have made here, and we cannot name definite figures, but our bills against you would be made up in exactly the same way as those against the Edison shops, the Phonograph Co., and all others for whom work is done in the Laboratory. Please advise us when the sample is to be forwarded.

Very truly yours.

Nov. 22, 89.

Walter Miller,-

We have arranged to give an exhibition of the phonograph at Altoona, Pa., on the evening of December 6th, 1889. You are to take a phonograph and a complete outfit of cylinders so as to give a first class entertainment. Mr. Edison is going to record some Horse whistling on a phonograph, and I have told Mr. Logue to set up the instruments to make this record.

Nov. 22, 80.

Dear Mr. Field, -

Mr. Stevens sent me an extract from his letter to you under date 16th instant, in regard to proposed disposition of a portion of the foreign business of the Toy Phonograph Company, outlining his interview with Mr. Yeamans. I have consulted Mr. Edison in regard to this subject and have shown him the letter above referred to, and he desires me to say that he is willing to assent to the sale of the European doll business, provided the purchasers are restricted in the matter of capitalization. In other words, Mr. Edison does not wish to give any one the opportunity to over-capitalize a foreign Company; first, because the business being unable to sustain such capitalization, would appear as a failure and would reflect upon other interests of Mr. and second, because he desires to prevent speculations. Mr. Yeamans proposes that the Toy Company shall take 25% of the stock in Companies formed abroad, and the restriction which Mr. Edison desires to place upon the capitalization of foreign business therefore comes home to the Toy Phonograph Company, which, for its own protection, should arrange to prevent the depreciation of its property holding by over-capitalization. So far as Mr. Edison is personally concerned, he is satisfied for by yourself and Mr. Stevens.

he is, of course, quite acceptable to Mr. Edison. I would like to go into this matter with you to a greater extent than is possible by letter, and should like to know if you are coming to New York soon.

In regard to the other letter which you left with me, after further consideration, I decided to inform Mr. Edison of the state of affairs, and he says there is absolutely nothing in the claims made by Mr. Jacques in reference to patents.

Very truly yours,

Private Secretary.

R. M. Field, Esq.,
Boston Museum,
Boston, Mass.

Nov. 22, 30.

George J. Llewellyn, Esq., Sec'y.,

The Inventors' League of U. S. of America,

P i t t s t o n , Pa.

Dear Sir:-

Mr. Edison has received your letter under date 16th instant, asking him to become one of the organizers of the proposed Inventors' League of the U. S. of America, and asking for an appointment with him for your Committee. Mr. Edison's engagements at the present time are such that he cannot make a definite appointment, but he would be glad to have you submit to him your By Laws, Rules and Regulations, together with a statement of the object of your proposed organization.

Very truly yours,

Private Secretary.

Nov. 22, 89.

John I. Beggs, Esq.,
Vice-President & Gen'l. Manager,
Edison Elec. Ill. Co. of New York,
New York City.

Dear Sir:-

Referring to your request that I should give my opinion as to the most economical method of lighting the lower part of New York, I beg to say that after considering the location of your various Central Stations, I am of the opinion that the best course to be pursued would be to erect a new down-town Station somewhere in the neighborhood of the Tombs, to take the place of the present Pearl St. Station, and to connect with the territory now covered by the 26th St. district, and to light all of that territory below the limits of the 26th St. district from this new Station. To arrive at any definite conclusions as to the cost of the underground conductors for such a Station, it would be necessary to make a systematic canvass in the regular way, for which would be required the services of three young men for about three weeks. If it is decided to go ahead with the new down-town Station, I should be glad to afford your Company all the assistance possible, and will be pleased to have the determinations made under

J. I. B.

-3-

my supervision.

Yours very truly,

Thomas A Edison

Nov. 22, 80.

William L. Thomas, Esq.,

"The Graphic,"

190 Strand, LONDON, W. C., England.

Dear Sir:-

Mr. Edison has received your letter of 6th instant, and is much honored by your request. He will be very glad to have his name appear in the list of subscribers to the columns of your paper. You are probably aware that Mr. Edison is not a very prolific writer. He occasionally indulges in literary work, but his experiments take up so much of his time that it is seldom he has an opportunity to use the pen. He is very glad, however, to feel that the opportunity is before him at any time he may desire to appear in your columns.

Yours truly,

Private Secretary.

Nov. 22, 88.

W. F. Taylor, Esq.,

Altoona, Pa.

My Dear Sir:-

I have your letter of 18th instant, and will carry out your wishes in regard to the phonograph. Mr. Miller will be in Altoona on the morning of December 6th. I presume he will find you at your office.

Very truly yours

Nov. 21., 89.

Messrs. Weyher & Richemond,

50 Route D'Aubervilliers,

P a n t i n (Seine), France.

Dear Sirs:-

I have received your esteemed letter under date 5th instant, and I beg to give you a formal order for a 300 horse power Triple Expansion Engine and Condenser. Kindly ship these at once by Compagnie Transatlantique line of steamers from Havre, addressed, "THOMAS A. EDISON, NEW YORK." I shall be glad to have you cable me the name of the steamer which carries this shipment, so that I may arrange for its reception upon arrival. I am very pleased to know that you are making complete working drawings and photographs, which I trust I will receive very soon.

I take pleasure in enclosing herewith a few words in my own handwriting, and am much honored by your request for this.

Very truly yours,

P. S. I have thought perhaps that you would prefer to have my photograph, and I am sending you some by this mail under another cover, on which appears my handwriting.

Nov. 22, 89.

A. B. Dick, Esq.,

Dear Sir:-

I enclose herewith the following correspondence:-

1. Letter from S. B. Eaton to T. A. Edison, under date November 18, 1889.
2. A. B. Dick to A. O. Tate, December 31st, 1887.
3. A. O. Tate to A. B. Dick Co., January 3, 1888.
4. A. B. Dick to Thos. A. Edison, January 28, 1888.
5. A. O. Tate to A. B. Dick, January 31, 1888.
6. A. O. Tate to A. B. Dick, October 26, 1889.
7. A. B. Dick to A. O. Tate, October 28th, 1889.
8. A. O. Tate to A. B. Dick, Oct. 30, 1889.
9. A. B. Dick to A. O. Tate, November 9, 1889.

You will see from Major Eaton's letter, first referred to above, that your interpretation of the contract between your Company and Mr. Edison, is incorrect, and that the A. B. Dick Company

has no right to manufacture mimeographs in the United States for export.

In connection with all this correspondence and our various discussions of your rights abroad, I wish to say that Mr. Edison appreciates fully the difficulties under which you labor in the European market. The matter was not brought up for the purpose of saddling your business with a royalty to cause you further embarrassment, but for the reason that there is a principle involved which should certainly be recognized by your Company. Mr. Edison is quite willing to make a very liberal and reasonable arrangement with you, to enable you to carry on the business which you have already commenced, and will make you a proposition or receive one from you, as soon as you are prepared to recognize his rights in the premises. Kindly return all correspondence to me after perusal.

Very truly yours,

Private Secretary.

Nov. 23, 92.

Mr. Wm. J. Martin, Deputy Collector,

Custom House, NEWARK, N. J.

Dear Sir:-

In reference to your letter of first instant to our Mr. Miller, we will be glad to see and [illegible] the assay which is being made of ore shipped us from Canada. Some very important work is being delayed through our inability to obtain this shipment.

Yours truly,

EDISON LABORATORY

By

Secretary.

Nov. 23, 89.

George E. Holbrook, Esq., President,

New York Telegraph Club,

48 Church St., New York.

Dear Sir:-

I beg to acknowledge receipt of your letter of 16th instant, which Mr. Edison has read. He states that he will be very pleased to attend the First Annual Dinner of your Club, but would prefer that you should not organize this with any particular reference to himself. He would like to attend simply in his capacity as a member of your Club, and asks you to kindly arrange the matter in that way. You, of course, understand his objection to speech making, or rather his inability to make a speech. He says it will give him a great deal of pleasure to meet the members of the Telegraph Club on the occasion in question.

Yours very truly,

Private Secretary.

Nov. 25, 89.

My Dear Insull,-

In regard to [illegible] of the phonograph business in Mexico, Mr. Edison [illegible] that Gourand should see Gourand, but I [illegible] to you, as there are some [illegible] ourselves regarding this Mexican business.

Yours very truly,

Private Secretary.

Samuel Insull, Esq.,

44 Wall St., New York.

Nov. 23, 89.

W. Preston Hix, Esq.,

c/o United Edison Mfg. Company,

New York City.

Dear Sir:-

Mr. Edison is much obliged for your letter of 13th instant, informing him that you have arranged for the formation of a Company of $800,000 capital at Pittsburg, and enclosing circulars showing the prices our opponents are getting in that city. He says there is plenty of money in the business at these rates.

Very truly yours,

Private Secretary.

Nov. 23, 80.

Gustaf M. Westman, Esq.,

Westman Furnace Company,

31 Broad St., New York.

Dear Sir:-

With reference to your letter of 20th instant, Mr. Edison thinks that he will be able to visit Rockettstown and have a look at the furnace one day early next week.

Yours very truly,

Private Secretary.

Nov. 25, 89.

J. C. English, Esq., Gen'l. Manager,

The Edison Phonograph Works,

Orange, N. J.

Dear Sir:-

In reference to your letter of 19th instant, in regard to dates of patents to be marked on the toy phonograph movements, I am obtaining this information with as great rapidity as possible. I understand from Mr. Allice that you will be stamp these patent numbers upon one of the parts of the movement. In order not to delay work on these movements, could you not manage to attach a plate to the first lot which you turn out? After we are able to obtain the numbers, the can be stamped upon the movement itself.

Yours truly,

Private Secretary.

Nov. 23, 19.

Messrs. Dyer & Seely,
New York City.

Dear Sirs:-

Mr. G. Q. Payne inclosed in a letter addressed to Mr. Edison that he is the owner of a patent No. 548,771, for a Magnetic Ore Separator. He does not state whether this patent is taken out in his own name, but I should judge from his letter that it has been. Mr. Edison would like to have a copy of it. Kindly send it to the Laboratory as early as possible, and oblige

Yours truly,

Private Secretary.

Nov. 23, 39.

James F. Kelly, Esq.,
19 Dey St., New York City.

My Dear Sir:-

I beg to confirm my telephone message of to-day, asking you to procure and send to the Laboratory as quickly as possible, the following cells:

4 Wes. Union No. 1 bichromate
4 Nitro Chromic
4 Robert's Bravoort.
4 Mason Wood
6 Marie Davies
4 Hussey Cells Meligno.
4 " " Bluestone.

We desire to start our tests just as soon as you can get these cells out to us.

Yours very truly,

Nov. 23, 1888.

Edison Phonograph Works,

O r a n g e , N. J.

Dear Sirs:-

I want to obtain from you a complete price list of all the various parts of the phonograph, together with the numbers of those parts, which I presume are used when ordering. This list is for Putnam and Company, but must be sent me for revision, as your prices before going to Putnam & Co. must be increased by the amount of Mr. Edison's royalty.

Yours very truly,

Private Secretary.

Nov. 23, 80.

J. W. Collier, Esq.,

Morton House, New York City.

My Dear Sir:-

Mr. Edison has received your letters of August 1st and Nov. 13th, in regard to your incandescent lamp holder. He says that he is very much opposed to the use of hard rubber in connection with electric lighting. It has cost him about $1,500 to repair damage done to his ceilings on account of the use of hard rubber in connection with the installation at his house.

Yours very truly,

Private Secretary.

Nov. 23, 89.

Col. George E. Gourrad,

Little Menlo, Upper Norwood, Surrey,

England.

Dear Sir:-

Referring to your letter of 26th October, in regard to a shortage of one barrel, per S. S. "OTHELLO," we find that an error was made in the statement as to the number of barrels shipped you, only 15 being sent instead of 16. This is simply a mistake as to the number of packages. The shipping list which we sent you covers all the material forwarded.

Yours truly,

S. J. Ritchie,

5th Ave. Hotel, New York.

Nov. 23, 1889.

I will be at my house to-morrow morning.

T. A. Edison.

Orange N. J.

Orange Nov 25th 9.

A. Mac Gruther Esq
Edison Phonograph Works
Orange N. J.

Dear Sir:

I beg to ask you to correct the error which you have made as per your letter of the 23rd inst. regarding the information which you gave Mr Butler, about my using money belonging to the Edison Phonograph Works as I have not personally taken any money belonging to them without asking their permission, and the money used by me on Saturday Mr A. O. Tate the Secretary of the Edison Phonograph Works instructed Mr Hamilton Miller to draw a check to Mr Edison order for $2500.00 which he did and the check was given to me by Mr Tate, and if there is any fault to be found you should send your letter to Mr Tate and I have done nothing to receive such a letter from you, containing these instructions and you will greatly oblige me by giving this information to Mr Butler as I have no check for having him blame me when I am not entitled to it

Very truly John F. Randolph

Orange N.J.

Orange N.J. Nov 25th 9.

Thomas Butler Esq
New York.

Dear Sir:-

I beg to enclose you herewith a letter from Mr A. J. MacArthur of the Edison Phonograph Works and I am very much surprised to receive same as I have never used any money belonging to the Edison Phonograph Works without first asking you.

The money I used on Saturday was given me by Mr Tate who instructed Mr Hamilton Mueller to draw a check to Mr Edison's order for $2500.00/100 and as Mr Tate is Secretary of that Company I cannot see how I am to blame for taking the check which he offered me.

Yours truly
John D. Randolph

[illegible]

My dear Knox:

I have seen Mr. Matthews in London since he left Washington [illegible] words was so in his [illegible] [illegible] not having [illegible] in negotiation [illegible]

I have talked with him [illegible] an intelligent that he could just as well [illegible] about [illegible] the [illegible] in his [illegible] [illegible] It is true that he will have none of it [illegible] he does not want private any change at present. He contends that a little time will then necessary to a good result & must recognize any change at present. Yours truly

Chas. Bartholo

Nov. 23, 1[illegible].

J. C. Henderson, Esq.,

[illegible] Wall Street,

New York City.

Dear Sir:-

Replying to your letter of 22d instant, the canvass of Newport is no good. You should send a man at once to cover the town thoroughly. This man should be very careful about rating the houses. The position of each house should be clearly shown on the map; also the distance of each house on all sides from the street, so that we can ascertain the length and cost of our services. There should also be shown the diameter of the pavement on each street or estimates for excavation. I would also like to have a map showing the location of the present mains and their sizes. Unless you get all this data together, please send it out to me.

Yours truly,

[illegible]

Nov. 28, 80.

Messrs. Weyher & Richemond,

80 Route D'Aubervilliers,

P a r i s (Seine), France.

Dear Sirs:-

I beg to confirm the following cablegram sent you to-day:-

"Plans of engine urgently needed. When were they sent? Answer. EDISON."

Yours truly,

Thos. A. Edison

E.

Nov. 26, 1889.

S. J. Ritchie, Esq.,

New York City.

Dear Sir:-

Replying to your letter of 21st instant, in regard to refining iron ores in Canada by means of my Magnetic Ore Separator, I beg to answer your queries categorically as follows:

"**FIRST.** What would be the approximate cost per ton, of the ore as mined from the ground, for crushing and separating the iron contained in it from the silica or other foreign matter, by your process?"

A. Actual cost, 62 cents per crude ton.

"**SECOND.** How much iron will you be compelled to waste in the rocky matter which you separate from the iron?"

A. 1 1/2 to 2 units of original ore.

"**THIRD.** How high a grade of ore can you produce from an ore carrying, as mined, say forty per cent. of metallic iron?"

A. Average 65% by refining concentrates, cost 10 cents a ton, 68.%

"**FOURTH.** What would be the difference per ton in cost of producing an ore that would yield sixty per cent. and ore yielding sixty-eight per cent?"

A. Ten cents.

"FIFTH. To how low a grade of ore can you use the whole product of the mine, without throwing any portion of it into the waste heap, by sorting or separating it into second class piles?"

A. It will pay to use as low as 20 unit ore.

"SIXTH. Allowing, as is usually the case in all magnetic ores, that thirty per cent. of the ore mined is thrown into the waste heap, these heaps usually carrying about forty per cent., of iron, how much of the cost per ton for mining can you save by grinding up the whole amount mined and saving all the ore containing in it?"

A. Ordinarily, mining costs $1.00 per ton; if you take everything down to 20 unit, cost generally will be 50 to 60 cents.

"SEVENTH. Can you lower the phosphorous contained in magnetic ores?"

A. We can reduce the phosphorous 75 to 80 per cent.

"EIGHTH. Will the fine ore which is obtained by your crushing and separating process be worth as much per unit of iron, when delivered at the furnaces, as the Lake Superior Bessemer ores containing an equally high percentage of iron?"

A. Yes, so the iron men say, and worth more if we go to 68 per cent.

"NINTH. Calling the mining of the Canadian magnetic ores One Dollar per ton, the Railway and Lake freights One Dollar and sixty cents per ton, the duty seventy-five cents per ton, seventy per cent. of the ores carrying fifty-five per cent. and thirty per cent carrying forty per cent. Can you deliver this ore in Cleveland at as a low a price per unit of iron as the Lake Superior ores can be delivered at same place, the Lake Superior ores being subject to a royalty of Fifty cents per ton and the Canadian ores being free from royalty?"

A. About the same. Can on above assumption of costs deliver a 68 per cent. ore at Cleveland for $5 per ton, sure, against a 65 per cent. ore from Lake Superior.

"TENTH. On what terms will you erect, at your own expense, upon the line of the Central Ontario Railway at the mines belonging to the Anglo-American Iron Company in Canada, the plant for which you have now completed the plans, having a capacity for treating one thousand tons of ore per day?"

A. I will put up mill and refine for 70 cents per crude ton to 65%, and refine concentrates at 10 cents per ton, to bring it up to 68%, capacity 1,000 tons daily - no less. You may purchase mill at end of two years on twenty per cent earnings, being capitalized at par.

"ELEVENTH. On what terms will you put up a similar plant having a capacity of two thousand tons per day?"

A. Sixty-seven cents.

"TWELFTH. How soon can you have this plant in condition to work?"

A. Beginning May 1st, 1890 - 90 working days.

"THIRTEENTH. Do you think it practicable and advisable to put up a blast furnace for smelting this ore, and a steel plant for the manufacture of steel, in Canada? If so, what measures are necessary to be adopted by the Dominion Government?"

A. Yes; Protective tariff and a bonus for eight years.

"FOURTEENTH. Are you willing to become interested in the smelting and manufacturing of iron and steel, in Canada?"

A. Yes.

Very truly yours,

Thomas A. Edison

Orange N.J. Mar 26th 9

Messrs Edwards and Co
4th Avenue and 11th Street
New York.

Dear Sirs:-

Your favor of the 23rd inst addressed to Mr Batchelor was handed me for attention and the reason your account has not been paid is that all bills for work done at the house have to be approved by Mrs Edison and your bill was sent to her and a day or two ago she returned same and said the bills so did not work satisfactory and wished you to send out a man to put same in order.

Please give this your prompt attention and as soon as I hear from Mrs Edison that the work is satisfactory I will see that your account is paid immediately

Very truly
J. F. Randolph
Bookkeeper.

Nov. 26, 89.

J. H. Vail, Esq.,

Sprague Electric R'y. & Motor Co.,

10 Broad St., New York.

Dear Sir:-

I beg to confirm the following telegram sent you this morning, Mr. Edison in response to your letter of 23d instant:-

"Cannot make appointment at present, as I am going away for several days. T. A. E."

Yours truly,

Private Secretary.

New York,

Thomas Bailey, Esq., Secretary,

New Jersey & Pennsylvania Commonwealth, Mining,

New York City.

Dear Sir:-

I enclose herewith Mr. [illegible] six Hundred Dollars ($6,000), in payment [illegible] subscription to the stock of your Company. [illegible] receipt of check, and oblige

Yours truly,

Patent Secretary.

Nov. 25, 1890

Seth Low, Esq.,

Brooklyn, N. Y.

Dear Sir:-

Mr. Edison has asked me to acknowledge the receipt of your letter under date 22nd instant. He is much interested in the success of the Electrical School at Columbia College, and would be very glad to accommodate you in the manner which you suggest, but at present he cannot see his way clear to do so. The apparatus which comprised the Edison exhibit at the Paris Exposition of this year has not yet been returned from France and as it is Mr. Edison's intention to make a large display at the proposed American Exposition of 1892, it is necessary for him to keep this apparatus together. The display made at the late Paris Exposition is the most complete exhibit of Mr. Edison's inventions that has ever been made, and as the result of a great deal of labor and expense, the apparatus alone having cost upwards of sixty thousand dollars. Some of the instruments included in this collection could not be duplicated, and you will readily understand Mr. Edison's aversion to permitting any portion of it to pass out of his

S. L.

-2-

control.

Yours very truly,

Private Secretary.

Mar 26/89

H. Vanderwerth Esq
Sec. Armstrong
Penna R.R.
West Philadelphia

Dear Sir:

In further reference to your letter 18th I cannot calculate accurately from the data given me the quantity of current which we should consider standard for Pad line. It seems to vary with the different wires.

Will you kindly let me know what fraction of an ampere we can adopt for a standard plea which I will immediately submit to you a proposition

which will add greatly to the convenience and economy of operating your circuits so far as the battery end is concerned.

Yours very truly

[illegible]

P.S.

Should you not have this information conveniently at hand may I ask the favor of the Indiana measurements to make a fair comparison of your lines?

[illegible]

Nov. 27, 1880.

Major S. Flood Page,

The Edison & Swan United Electric Light Co., L't'd.,

100 Victoria St., LONDON, S. W., England.

My Dear Sir:-

I understand that the Edison and Swan United Electric Light Company, Limited, has commenced suit in England for infringement of my feeder patent, and as we are about taking up the same matter here, I have thought it probable that we could assist each other by exchanging information. I would, therefore, ask you to kindly give full information to the legal representative of the Edison Electric Light Company, Major S. B. Eaton, to whom I will send this letter in order that it may be accompanied by one from himself, explaining in greater detail the points upon which he desires to be advised, and I will be greatly indebted if you will place him in communication with your Attorneys.

Very truly yours,

Thomas A. Edison

Nov. 27, 89.

Major S. B. Eaton,

120 Broadway, New York City.

Dear Sir:-

WELCH versus EDISON. Referring to your letter of 25th instant, in regard to bill which Mr. Edison paid Charles Williams, Jr., of Boston, of about $300, the former states that he has no record of this payment, which was made at a time when such matters were but indifferently recorded by him. He believes, however, that you could get the information you want from Mr. Williams, who is correctly located in your letter.

Yours truly,

Private Secretary.

Nov. 2?, 89.

Samuel Insull, Esq., 1st Vice-President,

United Edison Manufacturing Company,

44 Wall Street, New York.

Dear Sir:-

Replying to your letter of 23d instant, in regard to sale of electric lighting material in countries outside of the control of any of the Edison Companies, I beg to say that I will take seven per cent. on Messrs. Fraser & Co's business in China and Japan and all outside countries. In regard to Norway, Sweden and Portugal, Messrs. Drexel, Morgan & Co. have an interest in these, and this 7% would have to be divided with them. Would this be satisfactory to D. M. & Co.?

Yours truly,

Edison

Nov. 27, 89.

Dear Mr. Hamilton,-

Your letters of 15th instant to myself and Mr. Edison, came duly to hand. We regret exceedingly the disappointment which you have been caused through the failure of your arrangement with Col. Gourand in regard to a supply of phonographs, but there is no very active part that we can take in assisting you, beyond recalling the matter to Col. Gourand's attention, which has been done. He has full control of the merchandizing of the phonograph abroad, and we are not in a position to interfere with him.

I understand that the Thorne machine, in which I believe you are interested, is having great success over here.

Very truly yours,

Private Secretary.

Hugh Hamilton, Esq.,
2 Copthall Bldgs., London,
England.

Nov. 27, 1889.

Mr. H. Vandermeiph, Div. O'ptr.,

Pennsylvania Railroad Co.,

West Philadelphia, Pa.

Dear Sir:-

Replying to your letter of 22nd instant, Mr. Logue informs me that you desire to obtain some automatic attachment which will keep the phone in your office quiet when the office near you is transmitting, the latter being the terminal office of the phonoplex circuit. I do not see how this can be arranged. We could give you an automatic key, which when thrown open would ground the phonoplex circuit and cut it in your office, and thus quiet the phone in the regular terminal office of the circuit. This would accomplish half what you desire, but I know of no arrangement by which we could silence the phone in an intermediate office when the terminal office is transmitting. I could send Mr. Logue to equip your circuit on Friday or Saturday next, and would ask you to kindly wire me your wishes, so that I may have the instruments forwarded and telegraph to Mr. Logue, who is in Baltimore at the present moment.

Yours truly,

Nov. 27, 89.

ENGINEERING & MINING JOURNAL,

27 Park Place, New York.

Dear Sirs:-

Replying to the letter of your Secretary under date 21st instant, I beg to say that the Edison Magnetic Concentrator is manufactured by Mr. Edison, and that it is in practical use for refining iron ores.

Very truly yours,

Private Secretary.

Nov. 27, 80.

My Dear Insull,-

I thought the enclosed might interest you. If it doesn't, send it back to me.

Yours truly,

Samuel Insull, Esq.,

New York City.

Copy.

New York, Oct. 10th, 1890.

Edison Phonograph Toy Mf'g. Co.,
95 Milk St., Boston,
Mass.

Gent'lemen.-

An application of Mr. Edison for the new toy phonograph invented by him before he went to Europe has been allowed by the Patent Office. It covers a large number of improvements in the construction of the toy machine and Mr. Edison has suggested to us that you may wish to arrange for taking out foreign patents on it before the patent is issued in this country. We have now nearly six months in which to do this but if you wish to do anything in the matter you should proceed at once, so as not to delay the issue of the patent longer than is necessary.

We enclose a copy of the claims allowed in this country and also our office copy of the drawing so that you can see what the device is. Please return the tracing when you have examined it.

Yours truly,

(Signed) DYER & SELLY.

Nov. 27, 18.

Harkness Fire Extinguisher Co.,

77 West Houston Street, New York.

Dear Sirs:-

The pipes of your sprinkler system have been run all through the laboratory, and for the last ten days we have been waiting to have the sprinkler heads attached. Please be kind enough to have this work done immediately, and advise us by return mail when we may expect your men to be here to complete it.

Yours truly,

Nov. 27, 89.

Daniel Weld, Esq., Sec'y.,

Edison Phonograph Toy M'f'g. Co.,

Boston, Mass.

Dear Sir:-

I enclose herewith copy of a letter which was addressed to your Company by Messrs. Dyer & Seely, Mr. Edison's patent attorneys, on the 18th of October, 1889, referring to certain improvements in the construction of the toy phonograph patented in this country, and asking for the decision of your Company as to whether the same should be patented abroad. A copy of the claims allowed in the United States, together with an office copy of the drawing, was forwarded your Company by Messrs. Dyer & Seely with their letter above referred to. They now advise us that they have never received any reply to their communication addressed to yourselves, and ask instructions in regard to the issue of the U. S. patent. The matter seems to me to have been one of sufficient importance to have called for immediate attention on the part of the Toy Phonograph Company. I shall be glad to have you advise me what, if any, [illegible] Yours truly,

Private Sec'y.

Nov. 29, 30.

Messrs. M. D. B. & Co.,

Montreal, Canada.

Dear Sirs:-

I beg to confirm the following telegrams exchanged between us on the dates mentioned:-

November 28th, 1930.

"Decision reserved in favor of Edison.

Murray; Merry Thanksgiving. Tell Edison.

M. D. B. & Co."

"

Nov. 29, 1930.

"We join you in wishing. A. O. T."

Yours truly,

Nov. 29, 80.

Henry Villard, Esq.,

Mills Building, New York.

Dear Sir:-

I beg to confirm the following telegram sent you today:-

"Mr. Edison is absent. Have forwarded his copy of your letter twenty-seventh and will advise you immediately upon receipt of his reply. He returns in about ten days. A. O. T."

Yours truly,

Private Secretary.

Nov. 29, 88.

Col. George E. Gouraud,

74 Madison Avenue,

New York City.

Dear Sir:-

Here is copy of a cablegram from Siemens, Berlin, dated 28th instant and addressed to Mr. Edison:-

Berlin, Nov. 28th, 1888.

"Edison, Orange.

Government wants 50 phonographs for Prussian schools; give terms. SIEMENS."

Yours truly,

Private Secretary.

Nov. 29, 1889.

My Dear Mr. Stevens,-

I have your letter of 25th instant from Kansas City, and am very much obliged for the enclosures.

In regard to the toy business, I had a very pleasant interview the other day with Mr. Yeomans, being accompanied by Mr. Field who came on from Boston for the purpose and I do not think we could place our interests in better hands. I put some questions to Mr. Yeomans in regard to the matter of manufacture and royalty, asking him if he would handle the matter as well were Mr. Edison to retain his manufacturing rights and also his royalty. Mr. Yeomans said that it would be very difficult for him to make a sale in that manner; that royalties were distasteful to the English people; and that they would also desire to acquire the manufacturing rights. He was very positive on these points, and pressed me to the conclusion that an outright sale must be made without any drawbacks. Mr. Field and myself told Mr. Yeomans that matters would be arranged between Mr. Edison and the Toy Phonograph Co., so that when Mr. Yeomans obtained his authority he would have power to dispose of the entire business.

In considering this sale, and in making any estimate for the

division of the proceeds, there are three elements to be considered. First, the profits of the Toy Phono. Co. derived from merchandising the dolls. Second, the profits represented by Mr. Edison's royalty; and third, the profits of manufacture. The second and the third represent Mr. Edison's interest in the business, and the question is, to determine what relation they bear to the first. As you are aware, Mr. Edison has always looked forward to building up a large industry in connection with the manufacture of these movements, and has, in fact, installed machinery for a larger output than can be consumed in America, and the other countries left to us after Europe is disposed of. He has also been at considerable expense in arranging for facilities abroad, namely, in Antwerp, to assemble the movements which he had intended to forward there for the European trade.

While the toy phonograph, commercially, has been separated from the phonograph proper, no such separation was made, or could have been made, so far as Mr. Edison's experimental work is concerned. The toy has grown out of the larger instrument, and represents a portion of the vast amount of labor Mr. Edison expended in perfecting the parent machine. Perhaps I can make this more clear by stating that the toy movement is protected under all Mr. Edison's patents on the phonograph itself, both here and abroad. These patents have been taken out in all the countries in the world which afford such protection, and the toy represents some

fraction of the expense connected with the original machine.

I mention all these matters to you, so as to give you a clear idea of Mr. Edison's line of reasoning and to illustrate the extent to which his interest enters into the Toy Phonograph business.

It is more easy to arrive at a satisfactory conclusion when both sides of the question are thoroughly understood by all concerned.

We have now to decide what proportion in the proceeds of the proposed sale of our European business should be divided between Mr. Edison and the Toy Phonograph Company. I have had some discussion with Mr. Edison upon this point, and he suggests that the Toy Phonograph Company should take sixty-eight per cent., and himself thirty-two per cent., and that the Company should make him an equitable allowance for the excess of machinery installed at the time it was considered that the whole of the manufacturing should be done by him. This latter amount would not be large.

I have been unable to discuss this matter with anyone representing the Toy Phonograph Company, as they all desire you to be present when the question is brought up. In order to save time I place the situation before you as well as I can in a letter, so that you may have an opportunity to give some thought to it during the next ten days. Perhaps you may be able to come to some defi-

B. F. S. -2-

nite conclusion early enough to write me. Meanwhile I will do all I can to facilitate matters, so that Mr. Yeomans can be equipped rapidly upon your return. I am corresponding with him at the present time.

Wishing you a pleasant and safe homeward journey

I am, yours very truly,

Treasurer & Secretary.

Benj. F. Stevens, Esq.,

St. Charles Hotel,

New Orleans, La.

Nov. 30, 00.

Samuel Insull, Esq.,
40 Wall Street, New York.

Dear Sir:-

In relation to Mr. Edison's Phonograph Works Trust stock, in my memorandum left for you before my departure for Europe, I stated that Edison's lawyer was preparing a Trust Agreement with the Garfield Safe Deposit Co., which was not ready before I left. I find that this document in duplicate came during my absence, but nothing has been done with it. I think it ought to be executed immediately upon Mr. Edison's return, and the stock placed in trust without any further delay, especially considering the repetitions now pending.

Yours very truly,

Private Secretary.

Nov. 29, 1880.

Samuel Insull, Esq.,

44 Wall St., New York.

Dear Sir:-

Here is copy of a cablegram dated 26th inst. received from Siemens, Berlin:-

"Government wants fifty phonographs for Prussian schools; give terms; electrolytic process called this week. SIEMENS."

I have communicated to Bonnard that portion of the above which relates to phonographs.

Yours truly,

Nov. 29, 1889.

Messrs. Weyher & Richemond,

50 Route D'Aubervilliers,

Paris. (Seine), France.

Dear Sirs:-

I beg to confirm the following cablegram sent you to-day:-

"Send models to Orange. MARCH."

Yours truly,

Thomas A. Edison

Nov. 29, 1899.

Dear Mr. Edison,-

I enclose herewith copy of a letter dated 27th instant received yesterday from Mr. Villard, asking you to indicate what part of the electric display you saw at the Gesellschaft Urania would be desirable for the Women's Exchange Exhibition to be held in April next; also copy of a letter dated 28th instant, received from Mr. A. B. de Fosse, in reply to the same subject. As Mr. Villard is anxious to communicate with the Gesellschaft Urania, I send you copies of the above correspondence.

Here are copies of some telegrams just received:-

"A. O. Tate. Montreal, Nov. 28, 99.

"Decision rendered in favor of Edison; hurray; Merry Thanksgiving; tell Edison.
M. D. Barr & Co."

T. A. Edison. Greenwich, Ct., Nov. 28, 99.

"Canadian decision announced in our favor to-day; Merry Thanksgiving. F. S. Hastings."

T. A. E. -2-

"T. A. Edison Svalof, Nov. 27, 1880.

"Your marvelous phonograph exhibited Svalof Sweden to-day; eminent success; hearty congratulations; first phonographic message to the Swedish King. RUDEN ENGINEER."

Yours very truly,

2 enclosures.

Thomas A. Edison, Esq.,

c/o Telegraph office,

DOVER, N. J.

C O P Y

New York, November 27th, 1889.

Dear Mr. Edison:

Will you be good enough to indicate, by return mail, what part of the electric display you saw at the Lusania, would be desirable for the exhibition for the Horse's Exchange, inasmuch as I intend to write to England by next Friday's mail, for duplicates of the apparatus?

Yours truly,

(Signed) Henry Villard.

C o p y.

New York, Nov. 26, 1860.

Thomas A. [illegible], Esq.,

Dear Sir:-

I reported to the meeting of the Ladies Committee of the Woman's Exchange yesterday, announcing your kind intention to arrange for exhibition, the date of the opening to be Easter Monday, April 8th, occasion of building to be but two years previous.

The Steam Heating Co. have their buildings adjoining, and can hire from 300 to 600 power from their boilers. There is also a vacant lot, on which it is contemplated to erect an electric light plant, and it is expected to have one furnished by our Company. I am negotiating for the same with Mr. Prentice, President of the Steam Heating Co.

Mr. Villard suggest that communication be entered into at once with Europe for such duplicates as can be procured of the Berlin and Paris Exposition, also for cylinders of Denmark, Emperor William, Von Moltke, the Austrian Emperor, &c., &c.

Can you make an appointment to discuss the premises with us at such early time not in the [illegible]? Awaiting further particulars, I remain

Yours etc.,

(Signed) A. E. d'[illegible],

Chm'n. Commissioner.

Nov. 29, 89.

D. M. Yeomans, Esq.,

35 Wall Street,

New York.

Dear Sir:-

Referring to your letter of 28th instant addressed to the Edison Phonograph Toy M'f'g. Co., relative to the sale of the Jr European business, I notice that the consideration which you name to the Company is, One Hundred Thousand Pounds, Sterling, in cash, and twelve and a half per cent. of fully paid shares in the foreign Company so formed. I have always understood that the proposition was to give the Company 25% fully paid shares - not 12 1/2%.

Yours truly,

Private Secretary.

Nov. 30, 1880.

The Electrical Advertising Scale Co.,

C h i c a g o , Ills.

Dear Sirs:-

Replying to your letter of 25th instant to Mr. Edison, I beg to inform you that the cells which you use in your business are very unreliable, owing to internal local action which causes them to polarize very rapidly. When Mr. Edison perfected the phonograph it was necessary for him to have a battery to run it, and he spent a great deal of time in perfecting a cell, which we are about placing on the market for all kinds of motor work. I enclose herewith a circular letter that we are now sending to the various electrical supply houses throughout the country, and which gives the details of this cell, which will doubtless be interesting to yourselves. If you desire further information more closely connected with your own work, we will be very happy to furnish it, in which case please advise us whether you use more than one class of motor and what these various kinds are.

Yours very truly,

Nov. 30, 09.

Messrs. Dyer & Seely,
New York City.

Dear Sirs:-

Replying further to your letter of 23rd instant, in regard to an application of Mr. Edison on the new toy phonograph, which has been allowed by the U. S. Patent Office, I beg to say that I am authorized by the Edison Phonograph Toy Manufacturing Company to take out patents in all foreign countries for this improvement. Of course these will be taken out in Mr. Edison's name, and we will adjust the matter with the Toy Phonograph Co. under Mr. Edison's agreement with them.

Yours truly,

Private Secretary.

P. S. I send you herewith copy of drawing which was returned to me by the Edison Phonograph Toy Mfg. Co.

Nov. 30, 80.

Daniel Weld, Esq., Secretary,

Edison Phonograph Toy M'f'g. Co.,

Boston, Mass.

Dear Sir:-

In reply to your letter of 29th instant, I beg to advise you that I have instructed Messrs. Dyer & Seely to take out patents in all foreign countries on the invention referred to in their letter to yourselves under date 19th October last.

Yours truly,

Private Secretary.

Nov. 30, 1898.

Mr. Daniel Weld, Sec'y.,

Edison Phonograph Toy Mfg'g. Co.,

98 Mill St., BOSTON, Mass.

Dear Sir:-

I beg to confirm the following telegram sent you to-day:-

"Will you kindly advise me to-day a set of agreements between Edison Toy Company mentioned in your letter which I understand you have in print. A. O. T."

Yours truly,

Private Secretary.

Nov. 20, 1[illegible]

Lloyd Bryce, Esq., Editor,

NORTH AMERICAN REVIEW,

New York City.

Dear Sir:-

I beg to acknowledge the following telegram addressed to Mr. Edison received from you to-day:-

"Will it be entirely agreeable to you if I call on you at any place and hear you say a word in relation to your recent valuable contribution to the North American Review next Monday? Answer paid."

I telegraphed you in reply to the above as follows:-

"Mr. Edison is not here at present. I expect him here at the end of next week. Will advise you immediately upon his return."

Yours truly,

Private Secretary.

Nov. 30, 1880.

Dear Miss Spalding,-

Mr. Edison desires me to thank you for the verses enclosed with your kind letter to him under date 27th inst., and to say that the former are excellent and will be of great assistance to us in loading our dolls with speech. I am sending them this morning to our TEMPLE OF ELOCUTION, where we have a number of girls engaged in making phonograms for movements.

The business of the Toy Phonograph Company is now in excellent condition. We hope to get a number of dolls on the market for the Christmas trade.

Very truly yours,

Private Secretary.

Miss J. T. Spalding,
13 Arlington St., BOSTON, Mass.

Nov. 30, 80.

My Dear Mr. Stevens,-

The attached correspondence explains itself. On the 16th of October last, Messrs. Dyer & Seely addressed a letter to the Edison Phonograph Toy Mfg. Co., advising them of an application which Mr. Edison had made for a new toy phonograph invented by him before he went to Europe, and which application has been granted by the U. S. Patent Office. Messrs. Dyer and Seely interrogated the Toy Phono. Co. in regard to taking out foreign patents on this device, but receiving no reply they wrote me under date Nov. 23rd, for instructions in regard to the issue of the U. S. Patent, which was being held back to avoid publication before applications were filed abroad. I asked Dyer & Seely for a copy of their letter to the Toy Phono. Co., which I received and forwarded to the Toy Phono. Co. with a communication from myself. Mr. Wolk replies to me under date November 28th, stating that the officers of the Company had received no information in regard to the application in question. The correspondence having passed into the hands of the shareholders, Mr. Jacques, and Franklin Field the latter of Mr. Jacques has addressed a letter to the Company and has signed an agreement to turn over

D. P. G. -2-

to them all his alleged inventions in connection with the toy phonograph. I think it very necessary that we should investigate the applications made by Mr. Jacquin for foreign patents in view of the fact of his having suppressed the matter intended to have been brought to the attention of the Toy Phonograph Company on the 10th of October last.

Yours very truly,

Private Secretary.

Henry N. Stevens, Esq.,

St. Charles Hotel,

New Orleans, La.

Nov. 30, 88.

My Dear Mr. Field, -

Mr. Yeomans has forwarded me a letter addressed to the Edison Phonograph Toy M'f'g. Company, a copy of which I enclose herewith. I have always understood that our Company proposed taking twenty-five per cent of fully paid shares in the foreign Company - not 12 1/2%, as Mr. Yeomans states. I have written Mr. Yeomans upon this point.

Yours very truly,

I will have the original of the memorandum [illegible] the [illegible]

M. W. Field, Esq.

Boston Theatre, Boston,

Mass.

Copy.

33 Wall St., New York,
November 26th, 1889.

Messrs.
The Edison Phonograph Toy M'f'g. Co.,
B o s t o n, Massachusetts.

Gentlemen:-

Referring to the several conversations I have had with your Officers and Directors, I now beg to confirm my proposition and understanding relative to the sale of your Patents for Great Britain, the Channel Islands, and Continental Europe.

Your Company is to supply me with a perfect outfit of Sample Dolls of all types in those models with a spring; and those working with a crank.

With copies of your English and Continental Patents.

With the original, or certified copy of what is termed the "French Contracts."

With a certified copy of a resolution passed by your Board of Directors, authorizing and empowering me to dispose of your Patents and interests as above referred to, upon the following terms and conditions, viz:-

To create, or cause to be created a Limited Joint Stock Company, with a capital not exceeding three hundred thousand Pounds Sterling (300,000). To dispose of such interests in said Company by the sale of shares or otherwise as shall return to your Company a sum of not less than One hundred thousand pounds Sterling (100,000) in cash, and twelve and one-half per cent. of

fully paid shares in the Foreign Company so formed.

Your Company to pay one-half of my expenses from the time of leaving New York to a completion of the sale of such Patents or an abandonment of the same. Such expenses, however, not to exceed a total of One Thousand Pounds.

Your Company to advance me for and on account of such expenses the sum of Two Hundred and Fifty Pounds (£250) on or before the Sixth (6th) day of December next.

In case of my success, and upon completion of a sale upon the terms above mentioned your Company shall pay to me or my order, Ten Thousand Pounds Sterling, less the amount you have actually paid at the time for and on account of my expenses. In case your Company should accept any lesser amount in cash and a greater amount in shares, then the sum payable to me shall be ten per cent. of the cash and ten per cent of the shares so accepted and received by you always deducting from cash received the amount you have at the time advanced for expenses.

For and in consideration of the above, I agree to use my time, best endeavors, financial connection and influence to carry out the terms stipulated; also to pay one-half of the expenses as above mentioned, such expenses, however, as before stated not to exceed a total of One Thousand Pounds (£1,000).

In case of my failure to carry out this title and business upon the above terms, or other terms that may be hereafter agreed upon,

an abandonment of my attempts either by my own desire or at the request of your Company, then and in such event or events, neither party shall have any claim upon the other, but all engagements shall cease and be determined as though never having been entered into.

Yours very truly,

(Signed) D. M. YEOMANS.

C O P Y.

No. 40 Wall St., New York Nov. 23d, 1889.

Alfred O. Tate, Esq.,

Orange, N. J.

Dear Sir:-

Some time ago I spoke to you about an application of Mr. Edison on the new toy phonograph which had been allowed, and you desired me to write the Edison Phonograph Toy Manufacturing Company with reference to taking out foreign patents on it before the issue of the United States Patent. I have never had any reply to this letter and I suggest that if no foreign patents are to be taken, Mr. Edison ought to have the United States patent issued. There are still about four months however before it is necessary to pay the final fee.

Yours truly,

(Signed) H. W. S c o l y.

C O P Y.

Orange, N. J. Nov. 28, 1890.

H. W. Seely, Esq.,

Messrs. Dyer & Seely,

New York.

Dear Sir:-

Mr. Edison to your letter of 22nd instant, will you kindly send us a copy of the letter which you addressed to the Edison Phonograph Toy Mfg. Co., and oblige

Yours truly,

(Signed) A. O. Tate,

Private Secy.

C O P Y.

40 Wall Street,

New York, November 26th, 1889.

Alfred O. Tate, Esq.,

Orange, N. J.

Dear Sir:-

Your letter of 25th instant received, and as requested we enclose you herewith a copy of the letter sent by us to Edison Phonograph Toy Manufacturing Company. Our office copy of the drawing which we sent to them as the time has not yet been returned

Yours truly,

(Signed) Dyer & Seely.

Copy.

New York, Oct. 19th, 1880.

Edison Phonograph Toy Manufacturing Co.,

95 Milk St., Boston, Mass.

Gentlemen:-

An application of Mr. Edison for the new toy phonograph invented by him before he went to Europe has been allowed by the Patent Office. It covers a large number of improvements in the construction of the toy machine and Mr. Edison has suggested to us that you may wish to arrange for taking out foreign patents on it before the patent is issued in this country. We have now nearly six months in which to do this but if you wish to do anything in the matter you should proceed at once, so as not to delay the issue of the patent here any longer than is necessary.

We enclose a copy of the claims allowed in this country and also our office copy of the drawing so that you can see what the device is. Please return the tracing which you have examined it.

Yours truly,

(Signed) DYER & BERLY.

COPY.

Orange, N. J. Nov. 27, 1886.

Daniel Weld, Esq., Sec'y,
Edison Phonograph Toy M'f'g Co.,
Boston, Mass.

Dear Sir:-

I enclose herewith copy of a letter which was addressed to your Company by Messrs. Dyer & Seely, Mr. Edison's Patent Attorneys, on the 10th of October, 1886, referring to certain improvements in the construction of the toy phonograph patented in this country, and asking for the decision of your Company as to whether the same should be patented abroad. A copy of the claims allowed in the Unit ed States, together with an office copy of the drawing, was forwarded your Company by Messrs. Dyer & Seely with their letter above referred to. They now advise us that they have never received any reply to their communication addressed to yourselves, and ask instructions in regard to the issue of the U. S. patent. The matter seems to me to have been one of sufficient importance to have called for some attention on the part of the Toy Phono. Company. I shall be glad to have you advise me what they proposed to do.

Yours truly,

(Signed) A. C. Tate,

Patents Seely.

C O P Y.

EDISON PHONOGRAPH TOY M'F'G. CO.

Boston, Nov. 29th, 1880.

Thomas A. Edison, Esq.,
Orange, N. J.

Dear Sir:-

Your favor of 27th, with copy of letter from Messrs. Dyer & Seely has been received. This is the first time that this letter has come before the Officers of this Company (except the ex-President) and upon consultation with Mr. Field it is decided that it is the desire of this Company that you apply and take out patents in foreign countries for all of your improvements in Toy Phonographs. This is of more importance, as Mr. Yeomans is shortly to proceed abroad, to dispose of our foreign rights, and will desire to have copies of all patents, or applications for same. We enclose tracing referred to by Messrs. D. & S.

Yours very truly,

(Signed) DANIEL WELD, Secretary.

Addressed to A. O. Tate, Esq.,

Private Sec'y.

De[illegible] 1[illegible], 1[illegible].

Mr. De[illegible] Bennett,-

[illegible] your letter of 20th instant, in regard to [illegible] the Edison Manufacturing Company, [illegible] Mr. [illegible] quite [illegible] related to Mr. Edison. We will [illegible] you." Mr. Edison [illegible] experiments [illegible] the [illegible] cell [illegible] Mr. and daughter has experimented [illegible] would not suit the work required [illegible] the telegraph, not [illegible] perfect, [illegible] circuit cells, that [illegible] the two, and [illegible] starting the business [illegible]. I [illegible] letter which has been addressed to the various [illegible] throughout the United States, through which [illegible] market these cells to a certain extent. [illegible] will give you all the data you require, excepting prices, and hence I can quote for you as soon as I know the size of cells that you want to use. In operating your phantom block circuits, you would of course use these cells in a pail, and they are exactly what you want. I sent some of our cells to Baltimore, to work the phonoplex on one office.

Mr. S.

Schlatter's results. Very pure instrument on the 24th of August last was, but been worth, very minor. The great value was which they showed is that the internal resistance is extremely low (.001), so a perfect contact during the whole life of the battery. The [illegible] you require to be [illegible] is practically open circuit work. As shown in the battery [illegible] the market which can do it as well as [illegible]. I think you would need the 100 require four cells, but I can tell better when I know what coils you are going to use and the resistance of the primary. By the way, the Edison has given us a new coil for the phonograph, which enables us to double up our circuits. We made a test the other day from Harrisburg to Jersey City, distance 200 miles, with [illegible] in the circuit, and obtained perfect results. Logue is now in Harrisburg making a series of tests, and I anticipate being able to run over 300 miles. Logue has just come in and reported his tests in Harrisburg. We operated a circuit from Harrisburg to Pittsburg, a distance of 332 miles. There were no intermediate offices on this circuit, as we had no condensers west of Harrisburg, but the result shows us that we can now handle circuits double the length of those that we were formerly able to operate successfully. Upon opening my mail this morning I find a report from the B. & O. people on the tests referred to above. I enclose herewith copies of the same for your consideration.

Yours very truly,

Orange N.J. Dec 3rd 9

Edison Phonograph Works
Orange N.J.

Dear Sir;-

Please have prepared as soon as possible five new Phonograph spectacle attachments for Yokohama and three new Phonograph spectacle attachments for Shanghae.

As soon as the above are finished have them packed as follows: One Box marked Frazer and Co Yokohama. E.P.W. #1 with the nine parts and the other marked Frazer and Co Shanghae. E.P.W. #1 with 3 parts.

Also send to the Yokohama firm One Preadle Machine or such part or parts of it as can be attached to the machines they already possess also send some Musical Cylinders containing pieces by a Full Band and Orchestra of a high class of Music such as is heard at a Thomas Concert also Classical Piano Forte pieces about three dozen in all and one dozen for Shanghae.

Please let me know when the above is ready. and greatly oblige

Thomas A. Edison
By A. O. Tate

Dec. 3, 1889.

Everett Frazar, Esq.,

132 Water St., New York City.

Dear Sir:-

I beg to acknowledge the receipt of your letter of 2nd instant. I have placed an order with the Phonograph Works for the spectacle attachments required by you for Yokohama and Shanghai, also for the musical cylinders. In regard to the four presentation phonographs, I understand that by the end of this week, the Phonograph Works will be working to its full capacity on the new machines, and turning them out in quite large numbers, so that there will not be much further delay in furnishing you with these. The original numbers of parts taken out by Mr. Churchill have now been changed. With as much haste as is possible I am getting a new set of these for you, together with the prices which you have asked for, and will forward them to you as soon as I receive them from the Phonograph Works.

Yours very truly,

Dec. 3, 1889.

My Dear Dick,-

I am very sorry that I was unable to arrange a settlement of your account before Mr. Edison went away. He left several days before I expected him to leave, and I got no further than the arrangement of the consideration which you are to receive. Mr. Edison intends reimbursing you in cash to the extent of your expenses, as submitted, and is also going to give you two hundred shares of the stock of the Toy Company, the par value of which is two thousand dollars. I will have the transfer made upon Mr. Edison's return, and forward your certificate to you, together with settlement of your expenses.

Please return all the correspondence in regard to manufacture of mimeographs which was submitted to you, and oblige

Yours truly,

Private Secretary.

A. B. Dick, Esq.,
Chicago, Ills.

Dec. 9, 1890.

Messrs. Dyer & Seely,
40 Wall Street,
New York City.

Dear Sirs:-

I enclose herewith copy of a letter addressed to Mr. Edison by the Compagnie Continentale Edison, to the effect that the Italian Edison Company has not desire to continue the two following Edison patents:-

Italy, Set 10 (Dobera)

Italy, Set 11 (Cheneau).

N.B. You kindly take such action as is customary in such cases. I believe that when advice of this has been received by us, you manually obtain copies of the papers, and have them executed and submit them to Mr. Edison. I have not replied to the letter of the Cie. Continentale Edison, and will not do so until I hear from you-selves.

Yours very truly,

Private Secretary.

C O P Y.

CIE. CONTINENTALE EDISON,

Paris, 20th Novembre, 1884.

Thomas Alva Edison,

Orange, N. J.

Dear Sir:-

We hear from the Italian Edison Co. that they do not now wish to continue to uphold any longer the two following Edison patents:

Italy Set 10 (Ten) (Motors)

do Set [illegible] (Dynamos)

of which please take note.

Yours very truly,

Le President du Conseil d'Administration.

(Signed) Ch. [illegible].

Dec. 5, 1[illegible]

S. B. Fobo[illegible], Esq.,

210 Broadway, New York.

Dear Sir:-

I am much obliged for your letter of our [illegible], in reply to the [illegible] Notification.

Mr. Jarman desires to transfer some of his stock in the Edison Phonograph Toy M'f'g. Co. Will you, therefore, please send him the Certificate now in your possession, on receipt of this.

Yours truly,

Private Secretary.

Dec. 8, 1899.

Dear Miss S[illegible],

I have your letter of the instant, and have made the substitution [illegible] to the verses which you desire. The Pioneer Work is now awaiting the completion of the collection which [illegible].

Yours very truly,

Miss J. T. Spalding,

18 Arlington St., Boston,

Mass.

Dec. 3, 1888.

Alex. Hamilton Church, Esq.,

Albion House, 15 John St., Birmingham,

Birmingham, England.

Dear Sir:-

In reply to your letter of 24th ultimo, I beg to inform you that Col. Olcott is mistaken. Mr. Edison is not a member of the Theosophical Society.

Yours truly,

Private Secretary.

Dec. 3, [illegible]

S. B. Eaton, Esq.,
120 Broadway,
New York City.

Dear Sir:-

I enclose herewith copy of a letter from the Compagnie Continentale [illegible], addressed to Mr. Edison, [illegible] that the Italian Edison Company does [illegible] to [illegible] the [illegible] Edison patents:-

[illegible] (Medium).
[illegible] (Cylinder).

I have advised Messrs. Dyer & Seely to proceed in the matter.

Yours truly,

[illegible] Secretary.

Dec. 4, 1880.

My Dear Dyer,-

With reference to Mr. Edison's agreement with Lalande, you will remember that exception is made of the use of the Lalande battery for secondary purposes, and also for electric light log. Mr. Edison would like to obtain the right to use this battery for electric lighting purposes, to be used for lighting not more than 25 lamps, on the same basis of royalty as we pay at present. Couldn't you arrange this matter with Lalande? He might be willing to give Mr. Edison this right, as it will extend the use of the battery, and increase the amount of Lalande's reputation. Of course its use in this way would be limited, but we will attempt to work up a business if Lalande will give us the power to go ahead. Kindly put this through as quickly as possible, and cable the result of your endeavors.

Yours very truly,

Private Secretary.

Philip S. Dyer, Esq.,
Antwerp, Belgium.

Dec. 4, 89.

Messrs. Eaton & Lewis,

120 Broadway, New York.

Dear Sirs:-

On the 5th of July last you sent to the Laboratory two copies of a proposed agreement between Thomas A. Edison and the Garfield Safe Deposit Company, making in your letter of same date that a certificate for 502 8/10 shares of the Capital Stock of the Edison Phonograph Works be made out in the name of the Garfield Safe Deposit Company. Before transferring this stock, will you kindly advise me if the Garfield Safe Deposit Company has agreed to accept the trust, after which I will have Mr. Edison execute the agreement and forward it to you.

Yours truly,

Private Secretary.

Orange N.J. Dec 5th 9

Edison Phonograph Works
Orange N.J.

Dear Sir:

Some time ago your Mr Miller drew five notes to the order of Mr Thomas A. Edison for $ 5000.00/100 each and payable at the Third National Bank New York and sent same to me, and I beg to inform you that I have disposed of same as follows:

Two of them were dated Dec 5th 1889 due April 8th 1890 and sent to the German National Bank of Newark to be discounted and the proceeds to be placed to the credit of the Edison Phonograph Works, and the remaining three were taken to New York by Mr Saml. Insull.

The above was carried out as per instructions from Mr Insull personally

Yours Truly,
John F. Randolph

P. S. Since writing the above the bank has informed me that the discount is $ 103.23 on each note or $ 206.66/100 on both

JFR

Dec. 5, 89.

Mme. Jose Nicolas de la Cerda,

Chez Monsieur Domingo Vega,

Maisonnier 2, PARIS, France.

Dear Madame,-

Mr. Edison has asked me to acknowledge the receipt of your letter under date 4th November, and to thank you for the kind sentiments concerning himself therein expressed. He remembers with pleasure the visit which your friends Dr. Domingo Fernandez Concho and Dr. Luis Infanto de la Cerda made to his Laboratory, and if yourself and husband should ever visit the United States, he shall be very pleased to also extend to you the privilege of inspecting his Workshop.

An autographed portrait of Mr. Edison will be forwarded to you in the course of a few days, pursuant to your request.

Yours very respectfully,

Private Secretary.

Dec. 6, 1880.

The Canadian Copper Company,

103 to 109 Superior Street,

Cleveland, Ohio.

Dear Sirs:-

In reply to your inquiry of 4th instant, I beg to inform you that your ore was passed upon by the Customs authorities yesterday, and now only awaits the return of Mr. Edison, when it will be treated. Mr. Edison has been absent for the past ten days. He is expected back, however, early next week.

Yours truly,

Private Secretary.

Dec. 7, 1889.

Henry Villard, Esq.,

Mills Building, New York.

Dear Sir:-

I beg to confirm the following telegram which I sent you to-day, in reply to your letter of 27th ultimo:-

"Replying to your letter 27th ult., all the working physical apparatus would be desirable. T. A. E."

Yours truly,

Thos. A. Edison

Dec. 7, 1890.

S. B. Eaton, Esq.,

120 Broadway,

New York City.

Dear Sir:-

I beg to acknowledge receipt from you of Certificate of Stock in the Edison Phonograph Toy M'f'g. Co., No. A1450, 14, 000 shares, made out in my name and unendorsed.

Yours very truly,

Thos. A. Edison

Dec. 7, 1889.

Messrs. Edwards & Co.,

Fourth Avenue & 144th Street,

New York City.

Dear Sirs:-

With reference to your letter of 2nd instant to our Mr. Randolph, I beg to advise you that your bill was referred for approval to Mrs. Edison, who reports that the bells at her house are still in very bad order, the defects complained of not having been remedied at all. I note your man's return, enclosed with your letter under reply, to the effect that he tested house and found nothing wrong, and would suggest that when he again visits Llewellyn Park (and we would like him to do so at once), he inquire for Mrs. Edison, who will point out to him the trouble. What she complains of is, that she cannot ring one bell without sounding several other bells. When this defect is remedied, your bill will be passed upon and check in settlement promptly remitted.

Yours very truly,

Dec. 7, 1889.

My Dear Shaw,-

I have your letter of 4th inst., enclosing application of Herbert B. Coho, of Lancaster, Pa., for a position in the Laboratory. The young men employed by Mr. Edison are usually graduates of technical schools, such as Cornell University and the Stevens' Institute. I will be glad to do anything I can for Mr. Coho, but it is difficult to place a young man who has had no previous knowledge of electrical work.

Yours truly,

F. B. Shaw, Esq.,
Williamsport, Pa.

Dec. 7, 18

R. P. Rothwell, Esq.,

P. O. Box 1833,

New York City.

Dear Sir:-

With reference to your letter of 3rd instant, at Mr. Edison's request, I am corresponding with Mr. Jesse H. Lippincott President of the North American Phonograph Co., with the view of arranging for the presentation of a phonograph to yourself.

Yours very truly,

Private Secretary.

Dec. 7, 1889.

Dear Mr. Price,-

Replying to your letter of 4th instant, we have no data yet in regard to the new battery, beyond what is given in the attached circular. We are running a lot of comparative curves of our battery and others, and when this data is in shape I will be glad to let you have a copy.

Yours truly,

Chas. W. Price, Esq.,
Electrical Review,
New York.

Dec. 7, 1930.

Col. George E. Gouraud,

Little Menlo, Upper Norwood,

Surrey, England.

Dear Sir:-

I beg to confirm the following cablegrams received from you and sent by me:-

NOSIDE, NEW YORK Dec. 3, 1930.

"May we have exposition musical tunnels?"

NOSIDE, LONDON. Dec. 7, 1930.

"Yes, you may have musical tunnels.

Edison."

Yours truly,

Thomas A. Edison

BY

Dec. 7, 89.

My Dear Upton,-

I duly received your letter of 6th instant in regard to the Keratry Breakfast. Mr. Edison had already received an invitation from Mr. R. U. Johnson, of the CENTURY, to meet Count Emile de Keratry on the occasion in question, and I wrote Mr. Johnson last night, stating that Mr. Edison was absent and that it would be impossible for him to be present. The latter arrived home unexpectedly last night, and sent Mr. Johnson the following telegram this morning:-

> "I have just returned home after an absence of several days and hasten to express my regret at being unable to attend the breakfast to Count Emile de Keratry, who represents a movement which has my fullest sympathy."

Yours very truly,

Francis R. Upton, Esq.,
Edison Lamp Company,
Harrison, N. J.

Dec. 7, 1880.

My Dear Mr. Lippincott,-

In the early days of the phonograph Mr. R. P. Rothwell, the writer of the attached letter, rendered Mr. Edison considerable assistance, and the latter promised to let him have a machine as soon as it was perfected. Mr. Rothwell is calling now for the fulfilment of this promise, and Mr. Edison has asked me to write you and see if it could be arranged. I may add that Mr. Edison says that he thinks this is the last.

Yours very truly,

Private Secretary.

Jesse H. Lippincott, Esq.,

160 Broadway, New York.

Dec. 7, 89.

Edison's Phonograph Co.,

London, W. C. England.

Dear Sirs:-

I beg to acknowledge the receipt of your letter of 26th November, in regard to CASE 91, contents of which I have noted.

Yours truly,

Th Edison

C O P Y.

London, 26th November, 1889.

T. A. EDISON, Esq.,

Dear Sir:-

In the absence of Col. Gouraud, we opened your letter addressed to him of date 8th instant, which refers to the Patent matter, Case 91.

By the same post we received from Messrs. Dyer & Seely the Specifications and Drawings, together with various Powers of Attorney, which we are sending to our Agents, with the request to expedite the filing of the patent in the respective countries, consistent with efficiency as regards translation &c.

The Provisional Specification for England will be filed by our English Patent Agent to-morrow, and we do not anticipate any great delay in the filing of the Continental Patents, especially France and Germany, as all the necessary documents are in the Agents hands.

Yours faithfully,

EDISON'S PHONOGRAPH CO.

(Signed) Geo. Munro.

Dec. 9, 1889.

Edward D. Adams, Esq.,

New York City.

Dear Sir:-

I beg to enclose herewith for your information copy of a letter received by Mr. Edison from Messrs. Walton Harrison and John G. Taylor, Washington, D. C., under date Dec. 3, 1889, relative to utilization of the power of Niagara Falls.

Yours very truly,

Private Secretary.

Q P 14

Washington, D. C. Dec. 3, 1880.

Mr. Thomas A. Edison,

Orange, N. J.

Dear Sir:-

We are aware that your time is most valuable, but would be pleased to have you examine into the merits of a thoroughly feasible plan that we have for utilizing the power of Niagara Falls. We would especially say in the beginning that ours is not a wild scheme requiring newly invented or ponderous devices calculated to mar the beauty of the falls or surrounding scenery. It is not, strictly speaking, an invention, but rather a general outline of a gigantic engineering work, the data being based upon a careful study of the nature and extent of the difficulties to be overcome. Our endeavor throughout has been to simplify, to cheapen, to render practical and to avoid novelty, our principal guide being common sense. We would be glad to present in person or to forward to you plans and specifications setting forth the details with the understanding that you examine the same. If upon investigation you find our plan to be meritorious, we would be glad to have you make us a proposition looking towards putting the same into execution, we being mutually interested. With every confidence we submit the matter to you. Hoping to receive an early and a favorable reply. We are very respectfully,

Walton Harrison
(Signed) John G. Taylor.

Dec. 9, 89.

Messrs. Walton Harrison & John G. Taylor,

412 Sixth St., N. W., Washington,

D. C.

Dear Sirs:-

Mr. Edison has read your esteemed favor of 3rd instant, and in reply desires me to inform you that he is already investigating the matter of utilizing the power of Niagara Falls.

Yours very truly,

Private Secretary.

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END

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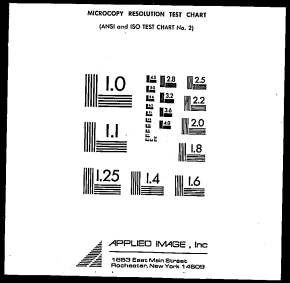

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